aeromet

MONTHLY PROGRESS REPORT NO. 4

for the period June 1-30, 1976

to

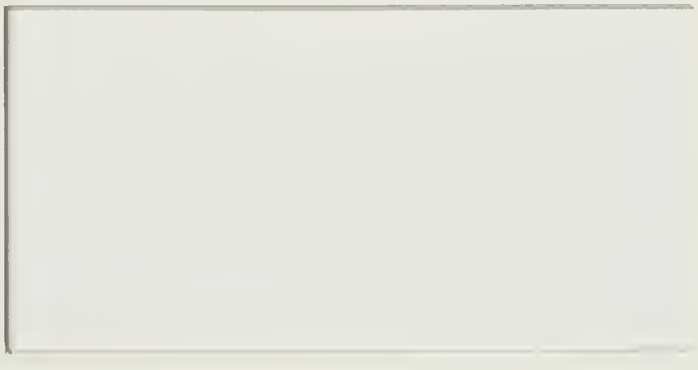
ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

aeromet inc.

P.O. BOX FF NORMAN, OKLAHOMA 73069

405 329-2424



MONTHLY PROGRESS REPORT NO. 4

for the period June 1-30, 1976

to

ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

1860 Lincoln St., Suite 900

Denver, CO 80203

Contract No. 68-01-1946

by

Aeromet, Inc.

Box FF

Norman, OK 73070

August 16, 1976

COLORADO Cb TRACT

1.0 INTRODUCTION

Low level temperature and wind data were collected for June 1976 at Casper, Wyoming; the Shell Oil Co. Colorado CB Tract 25 miles west of Rio Blanco, Colorado; Craig, Colorado; Escalante and Hanksville, Utah; and Rock Springs, Wyoming. The data collection was made using a 30 gm helium filled pilot balloon with a temperature sonde attached, a single theodolite and a TSR-2 receiver/recorder twice a day every other day. The observations were made 1/2 hour after sunrise and 1400L.

The pilot balloon had an ascent rate of 600 ft/min and it was tracked by a single theodolite for 12 minutes with the azimuth and elevation angles recorded every 30 seconds on a cassette tape recorder. The tape was transcribed to a pilot balloon form after the observation.

The temperature sonde operated at 403 MHz and the signal was received by a ground plane antenna at least 24 ft. AGL which was attached to the Aeromet, Inc. TSR-2 receiver/recorder. The TSR-2 receiver has a built in Rustrak strip chart recorder and the temperature was recorded within the range from -50 to +50°C. A baseline temperature calibration was performed with each T-Sonde by the adjustment of the recorded temperature to match the thermometer measured temperature next to the transmitting sonde. Once the calibration check was finished the balloon was released with the sonde attached and the temperature was recorded for at least 20 minutes. At the completion of each observation the data were mailed to Aeromet, Inc.

The Monthly Progress Report is divided into six parts, one corresponding to each of the six field sites. The collected temperature and wind data are accurate and have not been edited unless otherwise stated in the Pilot Balloon Summary section. However, the obvious errors sometimes found in the recorded azimuth and elevation angles are corrected without mention. For example, the sequence of azimuth angles . . . 76.6, 75.3, 47.8, 73.8 . . . can be corrected without ambiguity. The more ambiguous errors are brought to the attention of the reader if editing has been performed, otherwise, the data are left as recorded and the filtering is left to the individual user. An example is the wind profile for Hanksville on 06/29/76 at 1300 MST found in the Monthly Progress Report No 4. The azimuth angles starting 30 seconds after the launch and incremented by the same are as follows. . 109.0, 110.0, 110.0, 281.0, 280.0, 282.0 . . . , while the corresponding elevation angles are as follows, . . . 60.0, 57.6, 58.7, 58.6, 52.7, 44.3 . . . . The wind speed and direction change dramatically over the interval as can be seen in the report since these data were not edited.

2.1B Colorado CB Tract Field Summary

No problems occurred during the month of June at the Colorado CB Tract west of Rio Blanco, Colorado. The observers attempted 87% of the scheduled pilot balloon launches resulting in an 80% recovery of the temperature data and an 87% recovery of the wind data. The malfunctioning of the temperature sondes accounted for the 7% loss in temperature data. The observer failed to release a second temperature sonde in each case that the first attempt was unsuccessful.

2.2 Mixing Layer Height

The average mixing layer height was derived subjectively from the morning and afternoon temperature and wind profiles. The morning sounding was near the minimum temperature while the afternoon sounding was near the maximum temperature providing a good comparison for defining an average mixing layer height. If the mixing layer height derived from only the morning sounding for the lower 2000m was not maintained throughout the day because of temperature changes due to advection, then one was not defined to exist. A blank indicates there were insufficient data to calculate a mixing layer height. It is still contended that for the proper scientific evaluation and interpretation of the mixing layer height that an objective method be used. A library research on the topic is continuing, however the most acceptable method is to measure the minimum and maximum temperatures, add a heat island effect factor and trace the dry adiabatic to the point of intersection on the given temperature profile. The field sites are not equipped with minimum/maximum thermometers so an alternative method is under investigation.

2.3 Stability and Inversion Classification

The temperature and wind data were edited to remove data felt to cause anomalous results in the stability and inversion classification schemes. Only the stations listed prior to the table classifying the inversions were used in the calculations.

3.0 DATA PROCESSING

3.1 Printed and Plotted Output

Wind speeds and directions are computed from the azimuth and elevation angles measured while tracking the balloon with the theodolite. The wind speed and direction are plotted versus height and printed out at 30 second intervals. The printed output includes the AGL and MSL height of the calculated wind value and the orthognal components of the wind. The wind profile is also punched on computer cards at 30 second intervals.

The temperature data are processed and plotted with the temperature and the lapse rate per 300 meters versus height at 15 second intervals. Tic marks are placed on the temperature plot at significant levels. A solid line to the right side of the plot indicates the data for that layer are interpolated temperature values. The temperature data are also printed out and punched on cards. The asterisk beside a height value indicates a significant level while a "?" indicates interpolated data.

The temperature data are also processed to produce for each site a monthly summary of inversion layers and lapse rates within the inversions and from the inversion base to the surface by means of the Holzworth classification scheme for inversions (Holzworth, G.C., 1974: "Climatological Data on Atmospheric Stability in the United States" Paper presented at the American Meteorological Society Symposium on Atmospheric Diffusion and Air Pollution, September 9-13, 1974. Santa Barbara, California.)

The temperature and wind data are processed together to produce for each site a monthly average bivariate frequency distribution of wind direction versus wind speed represented in the 500m layer adjacent to the ground. The distribution is presented by the six Pasquill stability classes (A-F) and a summary independent of stability. If the $\Delta T/100m$ criterion is met but the wind speed criterion is not met, then the

STABILITY CLASS	ΔT (°C/100m)	WIND SPEED
A	<-1.9	≤ 2
B	-1.9 - -1.7	≤ 5
C	-1.7 - -1.5	≤ 6
D	-1.5 - -0.5	ALL SPEEDS
E	-0.5 - 1.5	≤ 5
F	>1.5	≤ 3

wind data are checked against the criterion for the next stability class, always cascading to the D stability class. Once the wind speed criterion is met the data are classified under the new stability class even though now the lapse rate exceeds the class criterion. For example,

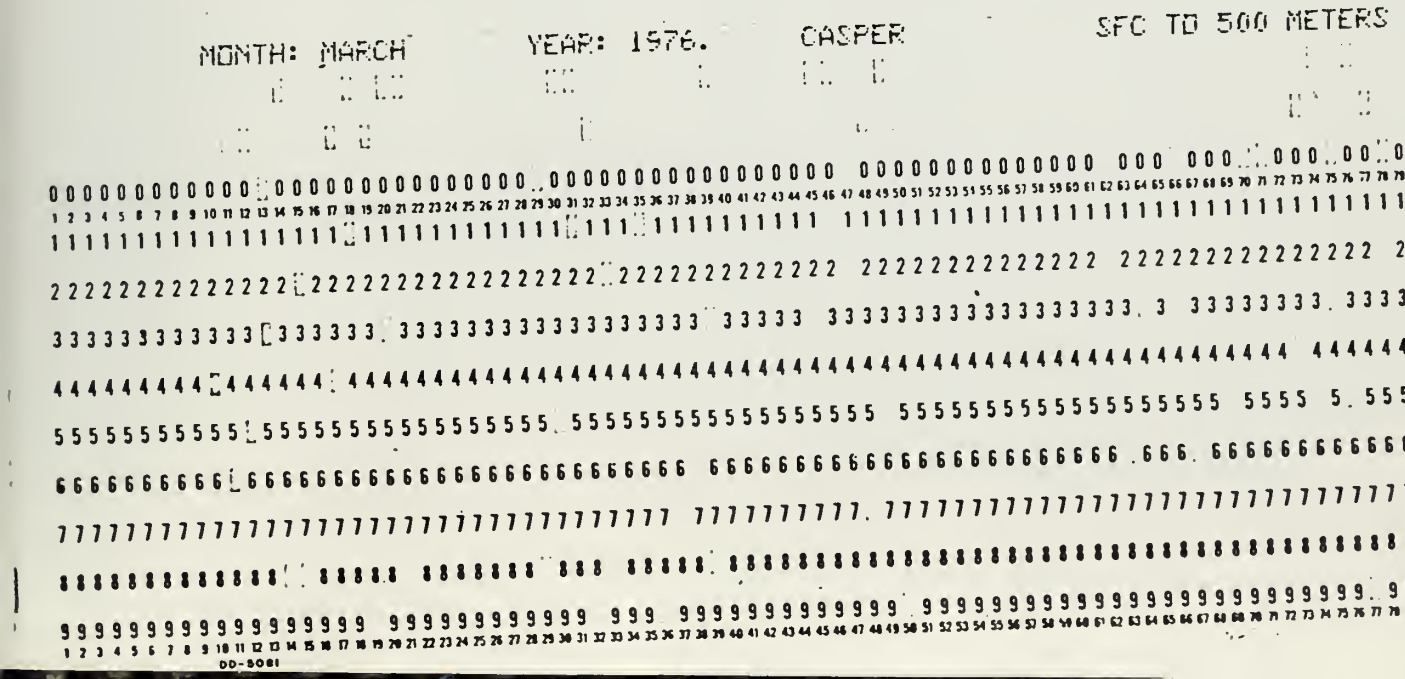
if the $\Delta T/100m$ value is 1.7 and the wind speed is 7 m/s, the lapse rate criterion is met for the stability class F, however the wind speed criterion is exceeded. The wind speed is greater than the 5 m/s maximum limit for class E but falls within the criterion of class D, which includes all wind speeds. As a result the observational data with a ΔT value of 1.7°C/100 m and a wind speed value of 7 m/s are classified under stability class D, not class F.

The data are also punched on computer cards in a format compatible with the STAR PROGRAM of the National Climatic Center, NOAA, U.S. Department of Commerce.

3.2 Punched Output

The punched temperature and wind data for each observation are categorized into four groups, each separated by a blank card. The first group begins with a header card listing the station name (3A4), the station elevation in meters (I4), the month, date and year (I6), the observation time (I4), the time zone (A3), the balloon ascent rate in feet per minute (I3), the sampling interval in seconds (I2), the temperature error in °C (F5.1), the T-Sonde I.D. number (I5) and the surface wind speed in kts and direction (2F6.1). A surface wind speed of 180.0 KTS indicates missing surface wind data. The series of cards prior to the first blank card include on each card the elapse time in minutes (2X,F5.1), the height of the balloon in meters AGL (4X,F5.0), the height of the balloon in meters MSL(4X,F5.0), the temperature in °C (4X,F6.2), the change in temperature between standard or significant levels (2X,F6.2), the lapse rate per 300m (2X,F6.2), the difference in the lapse rate per 300m and the dry adiabatic lapse rate per 300m (2X,F6.2), the wind speed in m/s if known (4X,F5.1), and the wind direction if known (3X,F5.0). The cards following the first blank card include on each card the elapse time in minutes (2X,F5.1), the height in meters AGL (4X,F5.0), the height in meters MSL (4X,F5.0), the u-component of the wind in m/s (4X,F6.1), the v-component of the wind in m/s (6X,F6.1), the wind speed in m/s (7X,F5.1), the wind direction (6X,F5.0), the elevation angle in degrees (F5.1) and the azimuth angle in degrees (F5.1). The cards after the second blank card include a header card like before and a series of cards with four groups of the following on each card; the height in meters AGL (F6.1), the temperature in °C (F6.2), the lapse rate °C/300m (F6.2) and a blank space (1X). The cards after the third blank card include a header card the same as described earlier, eight cards with the original digitized temperature data and a flag to indicate interpolated data (20(F3.1,I1)), five cards with the elevation angle in degrees (16F5.1), and five cards with the azimuth angle in degrees (16F5.1). The temperature data are in degrees Celsius and have 50°C added to each value. An elevation angle of 180° indicates a missing azimuth and elevation angle value.

The punched output from the bivariate frequency distribution calculations include a header card as illustrated below,



and the punched distribution data for each wind direction under each stability class in agreement with the "star" output. The stability classes are number coded as follows:

STABILITY CLASS	NUMBER CODE
A	1
B	2
C	3
D	4
E	5
F	6
Independent of Stability	7

The station I.D. numbers are as follows:

STATION	I.D. Number
Casper, Wyoming	1
Colorado CB Tract	2
Craig, Colorado	3
Escalante, Utah	4
Hanksville, Utah	5
Rock Springs, Wyoming	6

The month and season number codes are as follows.

MONTH	1-12
SEASON	13=DJF
	14=MAM
	15=JJA
	16=SON
ANNUAL	17

PILOT BALLOON SUMMARY
COLORADO CB TRACT
June, 1976

June 1	0600	
	1200	
June 3	0600	
	1200	The temperature signal was lost 6 minutes after the launch and it was not regained.
June 5	0600	The temperature sonde released did not operate properly and no temperature data were recovered.
	1200	
June 7	0600	
	1230	
June 9	0600	The temperature data were interpolated over the interval from 12½ to 14½ minutes.
	1230	
June 11	0615	The temperature data were smoothed from 14 to 15½ minutes elapsed time.
	1300	
June 13	0600	
	1200	The temperature data were smoothed over the interval starting 3½ minutes after the launch and ending 6 minutes after the launch.
June 15	0615	
	1230	
June 17	0615	The temperature data were interpolated over the interval from 7¼ to 8 3/4 minutes elapsed time. The balloon entered the clouds after 10 minutes.
	1200	

June 19	0600	
	1200	The temperature data were interpolated over the 1½ minute interval starting 2 minutes after the launch.
June 21	MORN	No observations were made.
	AFTN	
June 23	0600	
	1200	
June 25	0600	
	1200	
June 27	0600	The T-Sonde malfunctioned 4 minutes after the launch and no more temperature data were recovered.
	1200	
June 29	MORN	No observational data were received.
	AFTN	

CLOUD COVER AND SIGNIFICANT WEATHER

COLORADO CB TRACT

June, 1976

DATE	MORNING	AFTERNOON
1	clear	clear, haze
3	scattered	scattered
5	clear	
7	clear	clear
9	clear	scattered
11	broken	scattered
13	scattered	scattered
15	broken,snowed 4 inches	scattered
17	overcast	scattered
19	clear	clear
21		
23	scattered	broken
25	clear	clear
27	clear	clear
29		

AVERAGE MIXING LAYER HEIGHT

COLORADO CB TRACT

JUNE, 1976

DATE	HEIGHT
1	500m
3	300m
5	400m
7	700m
9	750m
11	1400m
13	1000m
15	200m
17	none defined
19	1300m
21	
23	750m
25	1600m
27	none defined
29	

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1794

06/01/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.00		0.0		4.1	180.
.8	150	2192	16.32	-1.68	-2.95	-0.02	5.2	171.
.6	300	2342	15.01	-1.31	-2.30	0.63	4.1	184.
.5	456.	2500.	12.70	-1.66	-4.10	-1.17	5.8	186.
.7	500	2542	12.77	-0.58	-4.10	-1.17	5.4	188.
.8	958.	3000.	8.20	-3.97	-3.44	-0.52	4.5	179.
.9	1958.	4000.	-0.50	-9.30	-3.44	-0.52	6.6	223.
.9	2958.	5000.	-10.00	-9.50	-2.79	0.14		
.4	3958.	6000.	-16.00	-6.00	-3.28	-0.35		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1794

06/01/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
.0	0.	2042.	-0.0	4.1	4.1	180.
.5	91.	2133.	-0.5	3.6	3.6	173.
.0	183.	2225.	-1.1	6.0	6.1	170.
.5	274.	2316.	0.3	4.3	4.3	185.
.0	366.	2408.	0.2	3.7	3.7	183.
.5	457.	2499.	0.6	5.8	5.9	186.
.0	565.	2607.	0.9	4.6	4.7	191.
.5	685.	2727.	1.2	5.6	5.7	192.
.0	802.	2844.	1.5	5.0	5.2	196.
.5	907.	2949.	-0.1	4.8	4.8	178.
.0	1005.	3047.	-0.0	4.2	4.2	179.
.5	1108.	3150.	0.8	5.0	5.1	189.
.0	1199.	3241.	0.6	4.5	4.6	188.
.5	1291.	3333.	0.7	4.1	4.2	190.
.0	1384.	3426.	1.3	3.4	3.6	201.
.5	1486.	3528.	2.9	4.2	5.1	214.
.0	1587.	3629.	4.5	3.8	5.9	230.
.5	1685.	3727.	5.2	4.4	6.8	230.
.0	1783.	3825.	3.4	1.7	3.8	243.
.5	1874.	3916.	5.5	7.2	9.0	217.
.0	1970.	4012.	4.3	4.5	6.2	223.
.5	2082.	4124.	5.2	5.5	7.6	225.
.0	2187.	4229.	4.8	5.4	7.2	221.
.5	2279.	4321.	4.8	5.3	7.2	222.
.0	2372.	4414.	3.5	5.2	6.3	214.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1846

ATE 06/01/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.50		0.0		5.1	225.
0.8	150	2192	16.64	-1.86	-2.13	0.80	5.3	194.
1.6	300	2342	15.51	-1.12	-2.30	0.63	6.6	185.
2.5	458.	2500.	14.30	-1.21	-2.46	0.47	5.0	190.
2.7	500	2542	13.80	-0.50	-2.95	-0.02	4.9	191.
5.1	958.	3000.	9.20	-4.50	-1.97	0.96	5.0	222.
10.5	1958.	4000.	0.80	-8.51	-3.28	-0.35	4.0	213.
15.5	2958.	5000.	-8.50	-9.30	-2.79	0.14		
20.9	3958.	6000.	-15.60	-7.10	-2.13	0.80		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1846

ATE 06/01/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.6	3.6	5.1	225.
0.5	91.	2133.	1.1	3.7	3.9	196.
1.0	185.	2227.	1.4	6.0	6.1	193.
1.5	276.	2318.	1.1	6.8	6.9	189.
2.0	368.	2410.	-0.8	5.5	5.6	172.
2.5	459.	2501.	0.9	4.9	5.0	191.
3.0	550.	2592.	0.9	4.7	4.8	191.
3.5	649.	2691.	1.8	5.8	6.1	198.
4.0	744.	2786.	2.7	5.7	6.4	205.
4.5	844.	2886.	2.1	5.4	5.8	202.
5.0	938.	2980.	3.2	3.5	4.8	223.
5.5	1029.	3071.	3.9	4.6	6.0	220.
6.0	1120.	3162.	4.1	4.2	5.9	224.
6.5	1212.	3254.	4.9	3.4	6.0	235.
7.0	1303.	3345.	5.5	3.6	6.6	237.
7.5	1395.	3437.	4.8	4.6	6.7	226.
8.0	1486.	3528.	4.0	4.7	6.2	220.
8.5	1579.	3621.	4.3	3.9	5.8	228.
9.0	1671.	3713.	5.2	1.8	5.5	250.
9.5	1768.	3810.	3.9	2.3	4.5	240.
10.0	1868.	3910.	3.1	3.8	4.9	219.
10.5	1961.	4003.	2.2	3.3	4.0	213.
11.0	2059.	4101.	2.7	3.7	4.6	216.
11.5	2166.	4208.	2.6	4.3	5.1	211.
12.0	2264.	4306.	2.1	3.9	4.4	208.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 158

ATE 06/03/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		17.20		0.0		2.6	180.
0.8	150	2192	17.66	0.46	-0.16	2.76	4.6	121.
1.6	300	2342	17.20	-0.46	-0.66	2.27	6.6	147.
2.5	458.	2500.	16.00	-0.76	-2.95	-0.02	8.6	166.
2.7	500	2542	16.04	-0.40	-2.95	-0.02	8.8	170.
5.2	958.	3000.	12.00	-3.65	-2.79	0.14	10.0	197.
10.5	1958.	4000.	2.10	-9.60	-2.95	-0.02	11.3	199.
15.7	2956.	5000.	-6.20	-9.00	-3.28	-0.35		
20.2	3958.	6000.	-16.30	-10.10	-3.28	-0.35		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 158

ATE 06/03/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	2.6	2.6	180.
0.5	91.	2133.	-3.2	1.5	3.5	115.
1.0	183.	2225.	-4.3	3.0	5.2	125.
1.5	274.	2316.	-3.5	4.9	6.0	144.
2.0	366.	2408.	-3.7	7.2	8.1	153.
2.5	457.	2499.	-2.0	8.3	8.6	166.
3.0	549.	2591.	-1.0	9.0	9.1	174.
3.5	640.	2682.	0.1	8.6	8.6	181.
4.0	732.	2774.	1.7	11.9	12.0	188.
4.5	823.	2865.	1.5	11.0	11.1	188.
5.0	914.	2956.	3.1	11.2	11.6	195.
5.5	1006.	3048.	2.6	7.7	8.1	199.
6.0	1097.	3139.	2.5	6.1	6.6	203.
6.5	1189.	3231.	3.4	6.7	7.6	207.
7.0	1282.	3324.	2.3	7.1	7.5	198.
7.5	1375.	3417.	2.6	7.6	8.0	199.
8.0	1468.	3510.	2.3	8.7	9.0	195.
8.5	1560.	3602.	1.7	8.7	8.9	191.
9.0	1655.	3697.	1.9	8.5	8.7	192.
9.5	1755.	3797.	1.3	9.0	9.1	188.
10.0	1849.	3891.	3.0	8.4	8.9	200.
10.5	1949.	3991.	3.8	10.7	11.4	199.
11.0	2043.	4085.	3.1	9.5	10.0	198.
11.5	2138.	4180.	3.4	9.9	10.4	199.
12.0	2231.	4273.	2.5	8.9	9.3	195.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 194

ATE 06/03/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.20		0.0		7.7	225.
0.7	150	2192	16.21	-1.99	-3.44	-0.52	7.6	219.
1.3	300	2342	15.03	-1.18	-4.43	-1.50	11.4	208.
1.9	458.	2500.	13.20	-1.80	-5.58	-2.65	10.4	201.
2.0	500	2542	12.42	-0.81	-5.58	-2.65	9.9	200.
3.3	958.	3000.	7.30	-5.02	-7.54	-4.62	10.0	195.
6.9	1958.	4000.					6.5	184.
11.9	2958.	5000.					20.7	191.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 194

ATE 06/03/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	5.5	5.5	7.7	225.
0.5	91.	2133.	3.6	3.9	5.3	223.
1.0	216.	2258.	5.9	8.4	10.2	215.
1.5	351.	2393.	4.9	11.2	12.2	204.
2.0	491.	2533.	3.4	9.2	9.8	200.
2.5	659.	2701.	4.0	9.9	10.7	202.
3.0	834.	2876.	4.5	11.3	12.2	202.
3.5	1029.	3071.	1.8	8.6	8.8	192.
4.0	1236.	3278.	2.6	10.9	11.2	193.
4.5	1419.	3461.	-3.3	9.0	9.6	160.
5.0	1571.	3613.	-4.6	5.9	7.4	142.
5.5	1669.	3711.	-1.2	1.3	1.8	139.
6.0	1769.	3811.	0.2	2.1	2.2	185.
6.5	1868.	3910.	-0.8	2.5	2.6	163.
7.0	1968.	4010.	0.8	7.0	7.0	187.
7.5	2068.	4110.	-1.0	3.8	4.0	165.
8.0	2168.	4210.	1.4	12.5	12.6	187.
8.5	2268.	4310.	1.0	11.4	11.4	185.
9.0	2368.	4410.	0.6	11.9	11.9	183.
9.5	2468.	4510.	0.8	14.8	14.8	183.
10.0	2568.	4610.	2.4	19.2	19.4	187.
10.5	2668.	4710.	2.3	14.9	15.1	189.
11.0	2768.	4810.	3.6	21.0	21.3	190.
11.5	2868.	4910.	3.3	15.9	16.3	192.
12.0	2968.	5010.	4.2	20.8	21.2	191.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1849

TE 06/05/76 TIME 06:00MST ASCENT RATE 600 FPM. DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		M				0.0	0.
0.8	150	2192					1.5	31.
1.6	300	2342					0.9	95.
2.5	458.	2500.					4.1	177.
2.7	500	2542					3.5	172.
5.2	958.	3000.					5.1	159.
10.7	1958.	4000.					3.7	194.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1849

TE 06/05/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	-1.0	-1.7	2.0	31.
1.0	183.	2225.	-0.6	-1.0	1.2	32.
1.5	274.	2316.	-1.0	0.0	1.0	92.
2.0	366.	2408.	-0.5	0.1	0.5	102.
2.5	457.	2499.	-0.2	4.1	4.1	177.
3.0	549.	2591.	-0.7	2.6	2.7	166.
3.5	640.	2682.	-1.1	1.7	2.0	148.
4.0	732.	2774.	-1.6	3.7	4.0	157.
4.5	823.	2865.	-2.3	4.9	5.4	155.
5.0	914.	2956.	-1.4	3.6	3.9	159.
5.5	1006.	3048.	-2.4	5.9	6.4	156.
6.0	1097.	3139.	-1.8	5.2	5.5	160.
6.5	1189.	3231.	-3.1	6.1	6.9	153.
7.0	1280.	3322.	-1.3	6.5	6.6	169.
7.5	1372.	3414.	-1.7	5.9	6.2	164.
8.0	1463.	3505.	-0.6	5.2	5.3	175.
8.5	1554.	3596.	-0.8	3.5	3.6	168.
9.0	1646.	3688.	0.1	1.9	1.9	182.
9.5	1737.	3779.	3.7	4.9	6.1	217.
10.0	1829.	3871.	-0.2	3.6	3.6	177.
10.5	1920.	3962.	1.0	3.3	3.5	197.
11.0	2012.	4054.	0.6	4.0	4.0	189.
11.5	2103.	4145.	0.4	3.6	3.7	187.
12.0	2195.	4237.	0.9	4.0	4.1	195.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1926

ATE 06/05/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.20		0.0		M	M
0.8	150	2192	16.84	-1.36	-2.95	-0.02	5.0	161.
1.6	300	2342	15.10	-1.73	-3.44	-0.52	5.6	152.
2.3	458.	2500.	13.70	-1.38	-1.97	0.96	4.7	156.
2.5	500	2542	13.33	-0.39	-2.13	0.80	6.1	163.
5.0	958.	3000.	10.00	-3.33	-2.95	-0.02	5.1	151.
9.8	1958.	4000.	-0.10	-10.09	-3.12	-0.19	6.4	161.
15.2	2958.	5000.	-5.20	-5.11	-0.98	1.94	M	M
20.0	3958.	6000.	-12.80	-7.60	-0.16	2.76	M	M

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1926

ATE 06/05/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
			THE WIND DATA ARE MISSING			
0.5	91.	2133.	-1.0	3.9	4.0	166.
1.0	183.	2225.	-2.1	5.2	5.6	158.
1.5	279.	2321.	-2.8	5.5	6.2	155.
2.0	401.	2443.	-1.6	2.3	2.8	146.
2.5	499.	2541.	-1.8	5.8	6.1	163.
3.0	591.	2633.	-1.7	5.5	5.8	163.
3.5	682.	2724.	-2.0	5.3	5.6	159.
4.0	774.	2816.	-1.2	4.4	4.5	165.
4.5	865.	2907.	-2.6	4.3	5.0	149.
5.0	958.	3000.	-2.5	4.5	5.1	151.
5.5	1056.	3098.	-1.4	2.5	2.9	150.
6.0	1156.	3198.	-1.5	4.6	4.8	162.
6.5	1257.	3299.	-1.6	4.8	5.1	161.
7.0	1370.	3412.	-3.0	9.0	9.5	162.
7.5	1517.	3559.	-3.9	10.7	11.4	160.
8.0	1635.	3677.	-2.2	6.9	7.3	163.
8.5	1726.	3768.	-2.1	5.5	5.9	159.
9.0	1817.	3859.	-2.0	5.6	6.0	161.
9.5	1909.	3951.	-2.0	6.2	6.5	163.
10.0	2002.	4044.	-2.2	5.9	6.3	159.
10.5	2095.	4137.	-1.7	5.1	5.4	162.
11.0	2187.	4229.	-2.0	6.0	6.3	161.
11.5	2278.	4320.	-1.0	5.9	6.0	171.
12.0	2370.	4412.	-1.6	5.7	6.0	165.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1016

TE 06/07/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		15.80		0.0		1.0	270.
0.8	150	2192	14.43	-1.37	-2.62	0.30	3.3	181.
1.6	300	2342	13.05	-1.37	-3.44	-0.52	3.8	169.
2.4	458.	2500.	11.60	-1.43	-4.26	-1.34	6.7	172.
2.6	500	2542	11.05	-0.57	-2.95	-0.02	6.8	172.
4.9	958.	3000.	8.80	-2.24	-1.80	1.12	3.7	159.
10.3	1958.	4000.	-0.10	-8.90	-3.28	-0.35	2.2	158.
13.0	*2490	4532	-5.10		-2.13	0.80		
15.3	*2901	4943	-7.50		-3.28	-0.35		
15.5	2956.	5000.	-8.79	-8.69	-2.46	0.47		
20.8	3958.	6000.	-16.69	-7.90	-2.30	0.63		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1016

TE 06/07/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	1.0	0.0	1.0	270.
0.5	91.	2133.	0.2	3.0	3.0	183.
1.0	183.	2225.	0.0	3.4	3.4	181.
1.5	279.	2321.	-0.6	2.9	3.0	168.
2.0	377.	2419.	-0.7	6.4	6.5	174.
2.5	479.	2521.	-1.0	6.7	6.8	171.
3.0	602.	2644.	-0.9	6.9	7.0	173.
3.5	693.	2735.	0.6	4.7	4.7	187.
4.0	785.	2827.	0.5	4.9	4.9	186.
4.5	876.	2918.	-1.0	4.3	4.5	167.
5.0	967.	3009.	-1.4	3.4	3.6	158.
5.5	1059.	3101.	1.7	3.8	4.2	204.
6.0	1150.	3192.	2.8	5.7	6.3	206.
6.5	1242.	3284.	2.8	7.5	8.0	201.
7.0	1333.	3375.	1.8	6.2	6.4	196.
7.5	1425.	3467.	1.1	2.5	2.7	203.
8.0	1522.	3564.	1.4	7.9	8.0	190.
8.5	1620.	3662.	0.6	4.5	4.5	187.
9.0	1717.	3759.	0.6	3.4	3.4	190.
9.5	1809.	3851.	0.5	2.2	2.3	193.
10.0	1904.	3946.	0.4	2.6	2.7	189.
10.5	2004.	4046.	-1.4	1.2	1.8	132.
11.0	2100.	4142.	-0.7	2.0	2.1	162.
11.5	2196.	4238.	-1.2	1.6	2.0	142.
12.0	2287.	4329.	-1.6	1.2	2.0	128.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1006

ATE 06/07/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		20.00		0.0		3.6	225.
0.8	150	2192	18.06	-1.94	-1.80	1.12	2.1	183.
1.6	300	2342	17.61	-0.44	-1.64	1.29	1.6	170.
2.5	458.	2500.	16.80	-0.81	-1.64	1.29	2.6	160.
2.7	500	2542	16.21	-0.59	-2.46	0.47	2.8	164.
5.2	958.	3000.	13.90	-2.21	-0.49	2.44	3.0	218.
10.7	1958.	4000.	7.10	-6.99	-3.12	-0.19	8.6	206.
15.5	2958.	5000.	-2.00	-9.01	-3.28	-0.35		
20.6	3958.	6000.	-9.20	-7.20	-3.12	-0.19		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1006

ATE 06/07/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	2.5	2.6	3.6	225.
0.5	91.	2133.	0.0	2.2	2.2	181.
1.0	187.	2229.	0.1	2.1	2.1	184.
1.5	279.	2321.	-0.2	1.7	1.7	172.
2.0	370.	2412.	-0.3	1.2	1.3	165.
2.5	461.	2503.	-0.9	2.5	2.7	160.
3.0	553.	2595.	-0.6	2.8	2.9	168.
3.5	644.	2686.	0.4	3.1	3.1	187.
4.0	736.	2778.	0.4	3.0	3.0	187.
4.5	827.	2869.	0.8	2.9	3.0	196.
5.0	919.	2961.	1.8	2.6	3.2	215.
5.5	1010.	3052.	1.8	2.0	2.7	223.
6.0	1102.	3144.	1.4	1.9	2.4	217.
6.5	1193.	3235.	2.0	4.3	4.8	204.
7.0	1284.	3326.	2.9	4.0	5.0	216.
7.5	1376.	3418.	3.0	4.3	5.3	215.
8.0	1467.	3509.	3.8	5.0	6.3	218.
8.5	1559.	3601.	3.4	4.7	5.8	216.
9.0	1650.	3692.	3.8	7.3	8.3	208.
9.5	1742.	3784.	5.0	8.3	9.7	211.
10.0	1833.	3875.	5.5	9.5	11.0	210.
10.5	1929.	3971.	4.3	7.5	8.6	210.
11.0	2020.	4062.	2.6	8.0	8.4	198.
11.5	2113.	4155.	1.5	7.0	7.2	192.
12.0	2246.	4288.	1.5	7.6	7.7	192.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1024

TE 06/09/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.30		0.0		7.7	270.
0.8	150	2192	16.89	-1.41	-1.80	1.12	11.0	209.
1.6	300	2342	15.74	-1.14	-2.62	0.30	11.9	203.
2.5	458.	2500.	14.70	-1.04	-1.80	1.12	16.7	209.
2.7	500	2542	14.50	-0.20	-2.30	0.63	14.3	205.
5.2	958.	3000.	10.00	-4.50	-3.77	-0.84	10.0	223.
10.2	1958.	4000.	0.30	-9.31	-3.12	-0.19	4.5	202.
15.5	2958.	5000.	-8.19	-8.89	-1.48	1.45		
21.0	3958.	6000.	-13.70	-5.51	-3.61	-0.68		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1024

TE 06/09/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	7.7	0.0	7.7	270.
0.5	91.	2133.	3.9	10.7	11.4	200.
1.0	183.	2225.	6.1	8.9	10.8	214.
1.5	274.	2316.	4.4	10.1	11.0	203.
2.0	370.	2412.	5.5	13.3	14.4	203.
2.5	461.	2503.	8.1	14.7	16.8	209.
3.0	553.	2595.	3.7	10.4	11.0	200.
3.5	644.	2686.	3.8	7.1	8.0	208.
4.0	736.	2778.	6.9	4.6	8.3	236.
4.5	827.	2869.	5.5	7.4	9.3	217.
5.0	919.	2961.	6.7	7.1	9.8	223.
5.5	1010.	3052.	7.0	7.5	10.3	223.
6.0	1113.	3155.	6.9	8.0	10.6	221.
6.5	1221.	3263.	7.8	8.8	11.7	222.
7.0	1326.	3368.	6.6	7.8	10.2	220.
7.5	1424.	3466.	4.7	6.6	8.1	215.
8.0	1519.	3561.	4.3	6.0	7.4	216.
8.5	1634.	3676.	3.7	6.1	7.2	211.
9.0	1727.	3769.	1.1	3.3	3.5	198.
9.5	1819.	3861.	0.3	2.1	2.1	187.
10.0	1914.	3956.	2.8	5.6	6.3	207.
10.5	2006.	4048.	0.8	2.4	2.5	198.
11.0	2099.	4141.	1.8	4.1	4.5	204.
11.5	2190.	4232.	1.0	4.2	4.3	194.
12.0	2282.	4324.	0.8	5.3	5.4	189.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 528

TE 06/09/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		25.50		0.0		5.1	180.
0.7	150	2192	21.85	-3.65	-2.79	0.14	5.5	186.
1.2	300	2342	20.81	-1.04	-2.62	0.30	9.6	190.
2.1	458.	2500.	19.00	-1.30	-1.31	1.62	11.0	190.
2.3	500	2542	19.03	-0.47	-1.31	1.62	11.0	189.
4.8	958.	3000.	17.40	-1.63	-1.31	1.62	16.3	189.
10.1	1958.	4000.	10.00	-7.09	-2.46	0.47	2.4	253.
14.9	2958.	5000.	1.01	-9.31	-5.25	-2.32	M	M
19.3	3958.	6000.	-8.00	-9.01	-2.13	0.80	M	M

COL CB TRACT ELEV 2042 METERS SOUNDING ID 528

TE 06/09/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	5.1	5.1	180.
0.5	91.	2133.	0.3	3.4	3.4	185.
1.0	259.	2301.	1.4	9.5	9.6	186.
1.5	352.	2394.	1.9	9.4	9.6	191.
2.0	444.	2486.	1.9	10.8	11.0	190.
2.5	535.	2577.	1.7	10.9	11.1	189.
3.0	626.	2668.	0.5	11.6	11.6	183.
3.5	718.	2760.	2.0	18.7	18.8	186.
4.0	809.	2851.	5.2	19.2	19.9	195.
4.5	901.	2943.	4.4	15.3	15.9	196.
5.0	992.	3034.	1.3	16.5	16.5	185.
5.5	1084.	3126.	3.3	18.7	19.0	190.
6.0	1175.	3217.	2.9	20.9	21.1	188.
6.5	1267.	3309.	2.2	17.2	17.3	187.
7.0	1358.	3400.	0.1	13.5	13.5	180.
7.5	1449.	3491.	4.9	19.8	20.4	194.
8.0	1541.	3583.	7.2	16.7	18.2	203.
8.5	1632.	3674.	7.9	21.5	23.0	200.
9.0	1724.	3766.	8.9	20.4	22.2	204.
9.5	1836.	3878.	7.3	17.1	18.6	203.
10.0	1944.	3986.	2.3	0.5	2.3	257.
10.5	2039.	4081.	2.0	1.6	2.6	230.
11.0	2131.	4173.	2.3	0.7	2.4	255.
11.5	2222.	4264.	3.3	0.3	3.3	265.
12.0	2314.	4356.	2.4	5.0	5.6	206.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 170

E 06/11/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

IME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		11.00		0.0		7.7	180.
0.7	150	2192	8.42	-2.58	-4.92	-1.99	7.7	193.
1.2	300	2342	7.06	-1.36	-4.76	-1.83	9.5	193.
1.7	458.	2500.	4.80	-1.82	-5.25	-2.32	8.4	180.
1.8	500	2542	4.84	-0.40	-5.25	-2.32	8.4	164.
3.7	958.	3000.	0.10	-4.52	-1.97	0.96	5.3	175.
5.1	1958.	4000.	-7.10	-6.31	-3.61	-0.68	12.1	170.
8.1	2958.	5000.	-15.10	-9.10	-2.13	0.80	M	M
9.6	3958.	6000.	-21.10	-6.00	-3.28	-0.35	M	M

COL CB TRACT ELEV 2042 METERS SOUNDING ID 170

E 06/11/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

IME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	7.7	7.7	180.
0.5	91.	2133.	1.7	6.3	6.5	195.
1.0	254.	2296.	1.6	9.8	9.9	189.
1.5	406.	2448.	3.0	8.0	8.5	201.
2.0	554.	2596.	-5.1	6.5	8.3	142.
2.5	694.	2736.	-0.9	5.7	5.8	171.
3.0	814.	2856.	-1.3	6.4	6.6	168.
3.5	926.	2968.	-0.6	5.3	5.4	174.
4.0	1024.	3066.	-0.4	5.3	5.3	176.
4.5	1116.	3158.	-0.0	6.6	6.6	180.
5.0	1207.	3249.	0.5	6.0	6.0	185.
5.5	1299.	3341.	0.6	4.5	4.5	188.
6.0	1390.	3432.	0.0	9.6	9.6	180.
6.5	1482.	3524.	-0.5	8.1	8.1	176.
7.0	1573.	3615.	-1.1	7.7	7.8	172.
7.5	1665.	3707.	-2.4	8.5	8.8	164.
8.0	1756.	3798.	-2.3	8.0	8.3	164.
8.5	1847.	3889.	-1.3	9.9	10.0	173.
9.0	1939.	3981.	-1.9	11.1	11.3	170.
9.5	2034.	4076.	-2.5	14.9	15.1	171.
0.0	2156.	4198.	-3.2	16.3	16.6	169.
0.5	2251.	4293.	-1.1	11.4	11.5	174.
1.0	2343.	4385.	-0.8	11.7	11.7	176.
1.5	2434.	4476.	-0.6	10.3	10.3	176.
2.0	2527.	4569.	0.1	10.8	10.8	180.
2.5	2637.	4679.	0.6	14.9	14.9	182.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 06/11/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	.SFC		10.80		0.0		10.3	180.
0.8	150	2192	9.82	-0.98	-0.66	2.27	10.8	182.
1.6	300	2342	9.80	-0.02	-1.64	1.29	14.2	176.
2.5	458.	2500.	8.00	-1.36	-2.62	0.30	16.3	170.
2.7	500	2542	8.04	-0.40	-2.62	0.30	18.5	169.
5.2	958.	3000.	5.10	-2.73	-2.13	0.80	20.5	165.
10.6	1958.	4000.	-2.20	-7.10	-2.62	0.30	16.3	168.
14.5	*2878	4920	-10.90		-0.33	2.60		
14.9	2958.	5000.	-10.00	-8.21	1.48	4.40	M	M
19.8	3958.	6000.	-18.79	-8.79	-3.28	-0.35	M	M

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

DATE 06/11/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	10.3	10.3	180.
0.5	91.	2133.	-0.1	7.9	7.9	179.
1.0	183.	2225.	0.9	12.4	12.4	184.
1.5	274.	2316.	-0.3	12.9	12.9	179.
2.0	366.	2408.	-3.3	17.1	17.4	169.
2.5	457.	2499.	-2.9	16.0	16.2	170.
3.0	549.	2591.	-4.0	20.7	21.1	169.
3.5	640.	2682.	-6.1	20.6	21.5	163.
4.0	732.	2774.	-9.5	26.9	28.6	161.
4.5	823.	2865.	-8.5	27.7	29.0	163.
5.0	914.	2956.	-4.9	21.8	22.3	167.
5.5	1006.	3048.	-5.7	17.7	18.6	162.
6.0	1097.	3139.	-7.8	10.1	12.8	142.
6.5	1189.	3231.	-5.4	11.9	13.0	156.
7.0	1280.	3322.	-8.6	18.0	19.9	155.
7.5	1372.	3414.	-4.0	18.3	18.7	168.
8.0	1463.	3505.	-2.5	26.5	26.6	175.
8.5	1554.	3596.	-1.4	26.4	26.5	177.
9.0	1646.	3688.	0.0	19.7	19.7	180.
9.5	1737.	3779.	2.4	11.2	11.5	192.
10.0	1840.	3882.	5.8	19.5	20.4	196.
10.5	1931.	3973.	-4.6	15.6	16.2	164.
11.0	2024.	4066.	-0.5	16.6	16.6	178.
11.5	2125.	4167.	-1.1	25.3	25.3	178.
12.0	2250.	4292.	-1.6	22.5	22.6	176.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

ATE 06/13/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		12.80		0.0		2.6	270.
0.7	150	2192	10.85	-1.95	-4.43	-1.50	6.5	200.
1.3	300	2342	8.89	-1.96	-3.12	-0.19	8.9	191.
2.0	458.	2500.	7.30	-1.15	-2.30	0.63	12.0	190.
2.2	500	2542	7.34	-0.40	-2.30	0.63	6.6	169.
4.7	958.	3000.	4.00	-2.93	-2.62	0.30	8.2	204.
10.1	1958.	4000.	-3.30	-7.39	-4.43	-1.50	12.8	207.
15.3	2958.	5000.	-9.50	-6.51	-1.80	1.12		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

ATE 06/13/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	2.6	0.0	2.6	270.
0.5	91.	2133.	2.5	5.5	6.0	204.
1.0	231.	2273.	1.6	7.1	7.2	193.
1.5	364.	2406.	1.7	10.3	10.5	189.
2.0	457.	2499.	2.2	11.9	12.1	190.
2.5	549.	2591.	-0.1	0.2	0.2	144.
3.0	640.	2682.	1.0	3.3	3.4	197.
3.5	731.	2773.	2.2	4.1	4.7	208.
4.0	823.	2865.	5.4	6.7	8.6	219.
4.5	914.	2956.	3.3	7.1	7.8	205.
5.0	1006.	3048.	3.4	7.9	8.6	203.
5.5	1097.	3139.	4.0	8.7	9.6	205.
6.0	1189.	3231.	4.1	8.7	9.7	205.
6.5	1280.	3322.	4.3	9.4	10.3	205.
7.0	1371.	3413.	4.2	8.6	9.5	206.
7.5	1471.	3513.	5.4	11.2	12.4	206.
8.0	1563.	3605.	4.9	10.2	11.3	206.
8.5	1654.	3696.	5.0	10.1	11.3	206.
9.0	1749.	3791.	5.7	10.8	12.2	208.
9.5	1841.	3883.	5.1	10.4	11.6	206.
10.0	1932.	3974.	5.3	10.8	12.1	206.
10.5	2024.	4066.	7.1	12.9	14.8	209.
11.0	2149.	4191.	6.1	12.8	14.2	205.
11.5	2264.	4306.	6.4	13.4	14.8	208.
12.0	2355.	4397.	6.6	12.7	14.4	207.
12.5	2446.	4488.	6.2	10.4	12.1	211.
13.0	2538.	4580.	10.8	10.3	14.9	226.
13.5	2629.	4671.	3.4	12.5	12.9	195.
14.0	2721.	4763.	7.8	10.7	13.2	216.
14.5	2812.	4854.	5.9	9.9	11.5	211.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

TE 06/13/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		17.80		0.0		10.3	270.
0.6	150	2192	14.22	-3.58	-4.76	-1.83	6.4	197.
1.0	300	2342	12.47	-1.75	-3.28	-0.35	9.5	193.
1.7	458.	2500.	11.20	-0.67	-3.12	-0.19	8.0	191.
1.9	500	2542	11.23	-0.57	-3.12	-0.19	7.4	190.
4.0	958.	3000.	5.80	-4.90	-3.61	-0.68	11.1	185.
9.3	1958.	4000.	2.00	-4.34	0.0	2.93	7.6	199.
14.8	2958.	5000.	-3.69	-5.69	-2.13	0.80		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

TE 06/13/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	10.3	0.0	10.3	270.
0.5	91.	2133.	1.7	4.9	5.2	199.
1.0	299.	2341.	2.2	9.3	9.5	193.
1.5	426.	2468.	1.8	8.3	8.4	192.
2.0	529.	2571.	1.0	6.9	7.0	189.
2.5	626.	2668.	-0.3	10.0	10.0	178.
3.0	720.	2762.	-0.5	10.0	10.0	177.
3.5	832.	2874.	-2.0	14.1	14.2	172.
4.0	952.	2994.	1.0	11.2	11.3	185.
4.5	1057.	3099.	-0.2	8.3	8.3	179.
5.0	1162.	3204.	0.4	10.0	10.0	182.
5.5	1262.	3304.	1.3	10.0	10.1	187.
6.0	1358.	3400.	1.8	7.7	7.9	193.
6.5	1449.	3491.	1.1	9.2	9.3	187.
7.0	1540.	3582.	1.7	10.1	10.2	190.
7.5	1632.	3674.	2.4	10.4	10.7	195.
8.0	1723.	3765.	2.6	10.0	10.4	194.
8.5	1815.	3857.	2.6	8.6	9.0	197.
9.0	1906.	3948.	3.7	8.6	9.3	203.
9.5	1998.	4040.	1.7	6.1	6.3	196.
10.0	2089.	4131.	3.4	1.9	3.9	241.
10.5	2181.	4223.	1.5	5.7	5.9	195.
11.0	2272.	4314.	3.4	6.3	7.1	208.
11.5	2363.	4405.	2.8	6.3	6.9	204.
12.0	2455.	4497.	3.2	4.0	5.2	219.
12.5	2546.	4588.	2.5	7.2	7.6	199.
13.0	2638.	4680.	6.9	7.3	10.1	223.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 127

ATE 06/15/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		3.50		0.0		0.0	0.
0.8	150	2192	2.05	-1.45	-2.13	0.80	1.5	98.
1.6	300	2342	1.03	-1.03	-2.30	0.63	1.8	47.
2.5	458.	2500.	-0.70	-1.21	-2.13	0.80	2.4	349.
2.7	500	2542	-0.66	-0.47	-2.13	0.80	2.8	351.
5.2	958.	3000.	-4.00	-2.74	-2.62	0.30	3.8	356.
7.0	*1280	3322	-5.40		0.16	3.09		
7.8	*1417	3459	-4.90		0.33	3.26		
10.7	1958.	4000.	-7.90	-4.00	-2.46	0.47	8.2	341.
16.1	2958.	5000.	-13.80	-6.40	-3.28	-0.35		
21.5	3958.	6000.	-22.00	-8.20	-3.94	-1.01		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 127

ATE 06/15/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	-1.5	0.9	1.8	120.
1.0	183.	2225.	-1.4	-0.1	1.4	86.
1.5	274.	2316.	-1.5	-1.2	1.9	50.
2.0	366.	2408.	-1.1	-1.3	1.7	39.
2.5	457.	2499.	0.5	-2.4	2.4	349.
3.0	549.	2591.	0.4	-3.3	3.3	353.
3.5	640.	2682.	0.8	-3.4	3.5	347.
4.0	732.	2774.	1.0	-4.3	4.4	347.
4.5	823.	2865.	0.6	-4.9	4.9	353.
5.0	914.	2956.	0.3	-3.9	3.9	356.
5.5	1006.	3048.	0.2	-3.8	3.8	357.
6.0	1097.	3139.	0.8	-5.0	5.1	351.
6.5	1189.	3231.	1.8	-7.2	7.4	346.
7.0	1280.	3322.	2.1	-6.4	6.7	342.
7.5	1372.	3414.	2.0	-6.4	6.7	343.
8.0	1463.	3505.	1.8	-5.4	5.7	341.
8.5	1554.	3596.	4.3	-5.1	6.7	320.
9.0	1646.	3688.	6.1	-5.3	8.1	311.
9.5	1737.	3779.	4.4	-4.8	6.5	318.
10.0	1829.	3871.	3.5	-6.6	7.4	332.
10.5	1920.	3962.	2.7	-7.4	7.8	340.
11.0	2012.	4054.	2.7	-8.3	8.8	342.
11.5	2103.	4145.	5.0	-11.9	12.9	337.
12.0	2195.	4237.	3.3	-8.0	8.7	338.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 439

DATE 06/15/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		10.80		0.0		1.5	90.
0.8	150	2192	8.76	-2.04	-3.44	-0.52	1.2	58.
1.6	300	2342	7.90	-0.86	-1.80	1.12	2.3	83.
2.4	458.	2500.	6.80	-1.09	-2.46	0.47	1.4	99.
2.7	500	2542	6.61	-0.21	-2.95	-0.02	1.1	100.
5.1	958.	3000.	2.00	-4.49	-1.97	0.96	2.2	169.
10.5	1956.	4000.	-4.90	-6.80	-2.13	0.80	3.5	298.
16.0	2958.	5000.	-11.00	-6.31	-1.48	1.45		
21.4	3958.	6000.	-19.10	-8.10	-2.13	0.80		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 439

DATE 06/15/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-1.5	-0.0	1.5	90.
0.5	91.	2133.	-0.6	-0.6	0.9	47.
1.0	191.	2233.	-1.4	-0.6	1.5	66.
1.5	290.	2332.	-2.4	-0.3	2.4	82.
2.0	381.	2423.	-1.5	-0.1	1.5	87.
2.5	473.	2515.	-1.3	0.3	1.4	101.
3.0	564.	2606.	-0.5	0.1	0.5	97.
3.5	657.	2699.	-0.9	1.4	1.7	147.
4.0	762.	2804.	-0.6	1.4	1.6	156.
4.5	854.	2896.	-1.0	1.3	1.6	143.
5.0	945.	2987.	-0.4	1.6	1.6	166.
5.5	1036.	3078.	0.6	5.5	5.6	187.
6.0	1128.	3170.	0.6	6.7	6.7	185.
6.5	1219.	3261.	1.1	5.5	5.6	191.
7.0	1317.	3359.	3.4	2.5	4.2	233.
7.5	1408.	3450.	4.5	2.4	5.1	242.
8.0	1500.	3542.	5.4	0.8	5.5	262.
8.5	1591.	3633.	6.7	-1.7	6.9	284.
9.0	1683.	3725.	4.5	-1.8	4.9	292.
9.5	1774.	3816.	5.3	-2.7	5.9	297.
10.0	1865.	3907.	4.2	-2.1	4.7	296.
10.5	1957.	3999.	3.1	-1.7	3.5	298.
11.0	2048.	4090.	3.5	-3.4	4.9	315.
11.5	2140.	4182.	2.9	-2.3	3.7	308.
12.0	2231.	4273.	2.5	0.8	2.7	255.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1173

TE 06/17/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC	.	6.30		0.0		0.5	90.
0.8	150	2192	5.35	-0.95	-1.80	1.12	0.9	101.
1.6	300	2342	4.51	-0.84	-2.30	0.63	2.2	198.
2.5	458.	2500.	2.50	-1.58	-2.30	0.63	5.0	244.
2.7	500	2542	2.54	-0.40	-2.30	0.63	3.9	270.
5.2	958.	3000.	-1.00	-2.83	-3.12	-0.19	4.5	291.
10.6	1958.	4000.	-9.49	-9.20	-2.95	-0.02		
16.0	2958.	5000.	-14.70	-5.21	-0.66	2.27		
21.5	3958.	6000.	-20.70	-6.00	-2.46	0.47		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1173

TE 06/17/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.5	-0.0	0.5	90.
0.5	91.	2133.	-0.8	-0.3	0.9	70.
1.0	183.	2225.	-0.8	0.4	0.9	119.
1.5	274.	2316.	0.4	2.0	2.0	192.
2.0	366.	2408.	1.5	2.3	2.8	214.
2.5	457.	2499.	4.5	2.3	5.0	243.
3.0	549.	2591.	2.3	-1.3	2.6	300.
3.5	640.	2682.	4.0	0.5	4.0	262.
4.0	732.	2774.	4.7	-0.0	4.7	270.
4.5	823.	2865.	4.8	-0.9	4.9	281.
5.0	914.	2956.	4.5	-0.9	4.6	282.
5.5	1010.	3052.	3.6	-2.2	4.2	302.
6.0	1103.	3145.	2.8	-2.5	3.8	312.
6.5	1195.	3237.	2.2	-1.1	2.5	297.
7.0	1286.	3328.	2.0	-0.7	2.2	290.
7.5	1378.	3420.	1.7	-0.7	1.8	291.
8.0	1469.	3511.	1.0	-1.2	1.5	320.
8.5	1565.	3607.	0.7	-0.8	1.1	321.
9.0	1670.	3712.	2.0	-0.4	2.0	282.
9.5	1765.	3807.	2.9	3.9	4.9	216.
10.0	1857.	3899.	2.0	-3.6	4.1	331.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2747

TE 06/17/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		12.00		0.0		2.6	90.
0.8	150	2192	10.92	-1.08	-1.64	1.29	1.0	66.
1.6	300	2342	9.91	-1.01	-2.79	0.14	0.9	103.
2.5	458.	2500.	8.30	-1.61	-2.79	0.14	1.1	62.
2.7	500	2542	8.00	-0.30	-2.30	0.63	1.1	47.
5.2	958.	3000.	3.30	-4.30	-2.46	0.47	2.7	346.
10.6	1958.	4000.	-4.80	-7.69	-2.95	-0.02	4.3	296.
16.0	2958.	5000.	-11.99	-8.00	-4.43	-1.50		
20.7	3958.	6000.	-20.20	-8.21	-1.97	0.96		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2747

TE 06/17/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-2.6	-0.0	2.6	90.
0.5	91.	2133.	-0.9	-0.8	1.2	49.
1.0	183.	2225.	-0.8	-0.2	0.9	75.
1.5	274.	2316.	-0.9	0.3	1.0	110.
2.0	366.	2408.	-0.7	-0.1	0.7	84.
2.5	459.	2501.	-0.9	-0.5	1.1	62.
3.0	550.	2592.	-0.6	-1.1	1.2	30.
3.5	642.	2684.	-0.6	-1.9	2.0	18.
4.0	735.	2777.	0.8	-3.0	3.1	346.
4.5	833.	2875.	0.5	-2.2	2.3	347.
5.0	924.	2966.	0.6	-2.4	2.5	347.
5.5	1015.	3057.	0.8	-2.8	3.0	344.
6.0	1107.	3149.	2.4	-2.8	3.7	320.
6.5	1198.	3240.	2.3	-2.2	3.2	315.
7.0	1290.	3332.	3.9	-1.5	4.2	291.
7.5	1383.	3425.	3.1	-2.1	3.7	304.
8.0	1474.	3516.	3.1	-1.5	3.4	296.
8.5	1566.	3608.	4.0	-2.0	4.5	297.
9.0	1657.	3699.	3.1	-1.1	3.3	291.
9.5	1749.	3791.	3.5	-1.3	3.8	291.
10.0	1840.	3882.	3.9	-1.5	4.2	291.
10.5	1932.	3974.	3.6	-2.1	4.2	300.
11.0	2027.	4069.	4.3	-1.1	4.5	285.
11.5	2119.	4161.	6.7	2.0	7.0	253.
12.0	2210.	4252.	5.3	0.3	5.3	266.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2741

ATE 06/19/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.20		0.0		0.0	0.
0.7	150	2192	15.16	-3.04	-4.10	-1.17	1.0	192.
1.2	300	2342	14.22	-0.94	-3.77	-0.84	1.6	182.
2.0	458.	2500.	12.70	-1.51	-3.77	-0.84	1.8	189.
2.1	500	2542	12.03	-0.66	-3.94	-1.01	1.8	191.
4.3	958.	3000.	7.50	-4.52	-2.13	0.80	2.7	237.
9.8	1958.	4000.	2.00	-5.51	-2.46	0.47	3.0	261.
14.9	2958.	5000.	-7.00	-9.00	-1.48	1.45		
20.4	3958.	6000.	-9.50	-2.50	-0.33	2.60		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2741

ATE 06/19/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	0.2	0.6	0.6	197.
1.0	246.	2288.	0.1	1.7	1.7	185.
1.5	355.	2397.	0.0	1.5	1.5	181.
2.0	467.	2509.	0.3	1.8	1.8	190.
2.5	585.	2627.	0.4	1.8	1.9	192.
3.0	697.	2739.	0.5	2.0	2.0	195.
3.5	804.	2846.	1.5	1.7	2.3	221.
4.0	904.	2946.	2.5	1.6	3.0	237.
4.5	998.	3040.	2.0	1.3	2.4	237.
5.0	1089.	3131.	2.0	1.2	2.3	239.
5.5	1181.	3223.	1.8	1.0	2.1	240.
6.0	1272.	3314.	2.0	1.0	2.2	242.
6.5	1363.	3405.	1.7	1.0	2.0	239.
7.0	1455.	3497.	1.6	0.7	1.7	245.
7.5	1546.	3588.	1.9	0.6	2.0	254.
8.0	1638.	3680.	2.2	-0.1	2.2	272.
8.5	1729.	3771.	1.3	-0.9	1.6	306.
9.0	1821.	3863.	2.3	-0.1	2.3	271.
9.5	1912.	3954.	3.1	1.0	3.2	252.
10.0	2004.	4046.	2.7	-0.0	2.7	270.
10.5	2095.	4137.	2.7	-0.4	2.8	279.
11.0	2192.	4234.	2.2	0.1	2.2	268.
11.5	2295.	4337.	3.3	-1.2	3.5	289.
12.0	2386.	4428.	3.0	-0.8	3.1	285.
12.5	2478.	4520.	3.8	-1.9	4.2	297.
13.0	2575.	4617.	3.1	-0.9	3.2	286.
13.5	2683.	4725.	4.2	-0.9	4.3	282.
14.0	2780.	4822.	4.9	-1.6	5.1	288.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2743

TE 06/19/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		24.00		0.0		2.6	270.
0.7	150	2192	20.98	-3.02	-2.62	0.30	3.7	293.
1.3	300	2342	19.72	-1.26	-2.30	0.63	3.1	299.
2.2	458.	2500.	17.80	-1.21	-3.44	-0.52	2.7	308.
2.4	500	2542	17.83	-0.68	-3.44	-0.52	2.7	310.
4.2	958.	3000.	12.50	-4.62	-4.26	-1.34	2.5	305.
9.3	1958.	4000.	5.90	-7.30	-2.62	0.30	2.3	255.
14.7	2958.	5000.	-3.00	-8.90	-2.62	0.30		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2743

TE 06/19/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	2.6	0.0	2.6	270.
0.5	91.	2133.	2.6	-1.0	2.8	292.
1.0	239.	2281.	4.5	-2.2	5.0	296.
1.5	330.	2372.	1.9	-1.1	2.2	300.
2.0	422.	2464.	2.1	-1.6	2.7	307.
2.5	519.	2561.	2.1	-1.8	2.8	311.
3.0	634.	2676.	2.7	-2.1	3.4	309.
3.5	757.	2799.	2.7	-1.2	2.9	295.
4.0	894.	2936.	2.4	-1.9	3.1	308.
4.5	1034.	3076.	1.6	-1.0	1.9	302.
5.0	1167.	3209.	0.9	-1.7	1.9	331.
5.5	1272.	3314.	-1.2	-1.8	2.2	35.
6.0	1363.	3405.	-0.8	-1.1	1.3	34.
6.5	1454.	3496.	0.2	-1.7	1.7	353.
7.0	1546.	3588.	-0.6	-1.3	1.4	24.
7.5	1637.	3679.	-0.3	-0.8	0.9	20.
8.0	1729.	3771.	1.6	-3.0	3.3	332.
8.5	1820.	3862.	0.6	0.4	0.7	240.
9.0	1912.	3954.	1.7	0.5	1.7	253.
9.5	2003.	4045.	2.7	0.6	2.8	257.
0.0	2095.	4137.	0.9	0.3	0.9	251.
0.5	2186.	4228.	3.7	0.9	3.8	257.
1.0	2282.	4324.	1.4	3.3	3.6	202.
1.5	2382.	4424.	1.3	2.1	2.5	212.
2.0	2473.	4515.	1.4	1.2	1.8	231.
2.5	2565.	4607.	0.8	1.6	1.8	205.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2745

ATE 06/23/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		9.30		0.0		3.6	270.
0.8	150	2192	7.61	-1.69	-4.10	-1.17	4.4	316.
1.4	300	2342	5.84	-1.77	-4.59	-1.66	4.1	305.
2.1	458.	2500.	4.10	-1.33	-2.79	0.14	2.1	306.
2.3	500	2542	4.13	-0.38	-2.79	0.14	1.6	306.
4.8	958.	3000.	0.80	-3.33	-2.95	-0.02	1.8	132.
10.2	1958.	4000.	-7.60	-8.30	-1.64	1.29	3.4	327.
15.6	2958.	5000.	-13.90	-6.40	-1.64	1.29		
21.0	3958.	6000.	-20.29	-6.40	-1.64	1.29		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2745

TE 06/23/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.6	0.0	3.6	270.
0.5	91.	2133.	3.1	-3.1	4.3	315.
1.0	195.	2237.	3.1	-3.2	4.4	316.
1.5	320.	2362.	3.4	-2.2	4.0	303.
2.0	440.	2482.	1.9	-1.4	2.3	306.
2.5	535.	2577.	1.0	-0.7	1.2	305.
3.0	627.	2669.	1.9	-1.7	2.5	313.
3.5	718.	2760.	0.9	-1.4	1.6	328.
4.0	810.	2852.	0.9	-2.1	2.3	336.
4.5	901.	2943.	1.1	-2.0	2.3	332.
5.0	992.	3034.	-0.3	-1.5	1.5	10.
5.5	1084.	3126.	0.9	-1.8	2.0	333.
6.0	1175.	3217.	1.1	-1.5	1.9	324.
6.5	1267.	3309.	-0.1	-2.7	2.7	1.
7.0	1363.	3405.	1.1	-2.3	2.5	335.
7.5	1454.	3496.	1.1	-3.0	3.2	339.
8.0	1545.	3587.	1.5	-2.5	2.9	328.
8.5	1637.	3679.	1.2	-2.2	2.5	332.
9.0	1728.	3770.	2.3	-3.0	3.8	322.
9.5	1820.	3862.	2.7	-4.0	4.6	331.
10.0	1920.	3962.	2.1	-2.9	3.6	325.
10.5	2014.	4056.	1.6	-2.8	3.2	330.
11.0	2105.	4147.	2.0	-3.1	3.7	328.
11.5	2197.	4239.	2.0	-3.2	3.8	328.
12.0	2288.	4330.	1.9	-3.1	3.7	328.
12.5	2381.	4423.	2.0	-3.2	3.8	328.
13.0	2486.	4528.	1.9	-4.2	4.6	335.
13.5	2578.	4620.	1.8	-3.6	4.0	333.
14.0	2669.	4711.	1.8	-3.7	4.1	334.
14.5	2760.	4802.	1.4	-3.7	3.9	339.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2740

E 06/23/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

IME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		19.90		0.0		5.1	270.
0.6	150	2192	16.00	-3.90	-7.54	-4.62	5.1	285.
1.2	458.	2500.	12.70	-2.46	-3.28	-0.35	9.8	10.
0.8	300	2342	13.07	-0.48	-3.28	-0.35	11.3	4.
1.4	500	2542	12.53	-0.53	-3.28	-0.35	9.4	11.
3.4	958.	3000.	8.80	-3.72	-4.43	-1.50	2.9	10.
7.1	1958.	4000.	-1.20	-9.51	-3.12	-0.19	1.0	91.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2740

E 06/23/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

IME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	5.1	0.0	5.1	270.
0.5	91.	2133.	0.0	-3.6	3.6	360.
1.0	369.	2411.	-1.2	-10.6	10.6	7.
1.5	554.	2596.	-1.9	-8.6	8.8	13.
2.0	654.	2696.	-0.3	-3.9	4.0	4.
2.5	745.	2787.	0.0	-3.4	3.4	359.
3.0	853.	2895.	-1.1	-4.4	4.5	14.
3.5	973.	3015.	-0.4	-2.7	2.7	9.
4.0	1103.	3145.	-1.5	-5.6	5.8	15.
4.5	1225.	3267.	-3.0	-0.8	3.2	74.
5.0	1378.	3420.	-1.6	-2.9	3.3	30.
5.5	1578.	3620.	-1.8	-2.9	3.4	32.
6.0	1752.	3794.	-2.8	-3.7	4.6	38.
6.5	1848.	3890.	-0.6	-0.9	1.1	33.
7.0	1940.	3982.	-0.6	-0.8	1.0	34.
7.5	2031.	4073.	0.6	-0.6	0.9	314.
8.0	2124.	4166.	-0.1	-1.2	1.2	6.
8.5	2216.	4258.	0.0	-1.7	1.7	359.
9.0	2307.	4349.	1.5	-1.6	2.2	317.
9.5	2399.	4441.	2.6	-1.4	2.9	300.
0.0	2496.	4538.	0.2	-1.6	1.7	352.
0.5	2601.	4643.	-0.2	-0.1	0.3	60.
1.0	2716.	4758.	-0.9	-1.4	1.6	34.
1.5	2831.	4873.	0.4	-1.5	1.6	347.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2746

06/25/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		15.50		0.0		2.6	225.
.8	150	2192	13.44	-2.06	-3.12	-0.19	2.9	199.
.6	300	2342	12.03	-1.40	-2.79	0.14	4.9	202.
.4	458.	2500.	10.60	-1.41	-2.95	-0.02	5.6	219.
.0	500	2542	10.03	-0.60	-3.94	-1.01	5.8	217.
.8	958.	3000.	5.20	-4.79	-2.79	0.14	5.4	211.
.2	1958.	4000.	-1.00	-6.24	-1.15	1.78	4.0	228.
.1	2958.	5000.	-8.69	-7.70	-5.25	-2.32		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2746

06/25/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
.0	0.	2042.	1.8	1.8	2.6	225.
.5	91.	2133.	0.8	1.9	2.1	203.
.0	194.	2236.	1.0	3.3	3.4	196.
.5	289.	2331.	1.6	4.4	4.7	200.
.0	380.	2422.	3.7	5.0	6.2	216.
.5	476.	2518.	3.4	4.2	5.4	219.
.0	579.	2621.	3.6	6.2	7.2	210.
.5	697.	2739.	3.6	6.5	7.4	209.
.0	819.	2861.	3.9	7.8	8.7	207.
.5	911.	2953.	2.6	4.3	5.0	212.
.0	1004.	3046.	2.8	5.0	5.8	209.
.5	1095.	3137.	2.3	4.5	5.1	207.
.0	1187.	3229.	3.1	4.4	5.4	215.
.5	1278.	3320.	5.0	5.3	7.3	224.
.0	1370.	3412.	2.3	2.6	3.4	222.
.5	1461.	3503.	1.3	4.1	4.3	198.
.0	1552.	3594.	1.6	3.8	4.1	202.
.5	1644.	3686.	0.2	0.9	1.0	192.
.0	1735.	3777.	1.2	1.7	2.0	214.
.5	1827.	3869.	1.9	3.0	3.6	213.
.0	1918.	3960.	2.1	2.4	3.2	222.
.5	2010.	4052.	4.1	2.8	4.9	236.
.0	2101.	4143.	5.4	3.8	6.6	235.
.5	2193.	4235.	2.4	-0.5	2.4	281.
.0	2284.	4326.	2.9	-0.1	2.9	272.
.5	2375.	4417.	4.1	-1.2	4.2	287.
.0	2467.	4509.	2.0	2.2	3.0	222.
.5	2574.	4616.	8.0	6.1	10.0	235.
.0	2704.	4746.	7.0	4.0	8.1	240.
.5	2807.	4849.	13.4	11.7	17.8	229.

COL CR TRACT ELEV 2042 METERS SOUNDING ID 2744

ATE 06/25/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		18.20		0.0		10.3	180.
0.8	150	2192	16.44	-1.76	-4.10	-1.17	9.2	165.
1.4	300	2342	15.07	-1.38	-4.10	-1.17	10.2	175.
2.0	458.	2500.	13.80	-1.27	-4.59	-1.66	10.8	180.
2.1	500	2542	13.04	-0.76	-4.76	-1.83	11.4	179.
4.1	958.	3000.	8.20	-4.24	-2.95	-0.02	4.9	193.
9.0	1958.	?4000.	0.31	-8.50	-2.13	0.80	7.9	226.
14.4	2958.	5000.	-6.80	-7.10	-3.12	-0.19	10.1	230.

COL CR TRACT ELEV 2042 METERS SOUNDING ID 2744

ATE 06/25/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	10.3	10.3	180.
0.5	91.	2133.	-2.5	6.8	7.3	160.
1.0	189.	2231.	-2.0	10.3	10.5	169.
1.5	321.	2363.	-0.8	10.2	10.2	176.
2.0	459.	2501.	-0.1	10.8	10.8	180.
2.5	596.	2638.	-0.7	12.8	12.8	177.
3.0	739.	2781.	1.7	12.8	12.9	186.
3.5	846.	2888.	2.8	9.4	9.8	197.
4.0	939.	2981.	1.1	4.0	4.2	196.
4.5	1031.	3073.	0.5	7.5	7.5	184.
5.0	1127.	3169.	0.5	4.7	4.7	186.
5.5	1232.	3274.	0.2	6.4	6.5	182.
6.0	1362.	3404.	3.6	7.0	7.9	207.
6.5	1489.	3531.	0.9	7.5	7.6	187.
7.0	1590.	3632.	7.4	0.6	7.5	266.
7.5	1681.	3723.	4.2	0.7	4.3	260.
8.0	1773.	3815.	4.4	3.4	5.6	235.
8.5	1864.	3906.	4.2	4.8	6.3	221.
9.0	1955.	3997.	5.8	5.4	7.9	227.
9.5	2047.	4089.	3.1	5.4	6.2	209.
10.0	2138.	4180.	2.7	5.5	6.2	206.
10.5	2230.	4272.	3.6	5.3	6.4	214.
11.0	2321.	4363.	4.6	6.3	7.8	216.
11.5	2413.	4455.	9.8	9.2	13.5	227.
12.0	2504.	4546.	5.2	6.5	8.3	219.
12.5	2596.	4638.	7.5	4.8	8.9	237.
13.0	2687.	4729.	3.3	8.3	8.9	202.
13.5	2778.	4820.	7.0	9.0	11.4	218.
14.0	2870.	4912.	6.7	6.4	9.3	226.
14.5	2968.	5010.	7.9	6.5	10.2	231.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2742

E 06/27/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		17.50		0.0		1.5	225.
0.8	150	2192	16.64	-0.86	-1.97	0.96	1.8	205.
.6	300	2342	15.99	-0.64	-1.80	1.12	2.6	203.
.5	458.	2500.	14.00	-1.65	-2.95	-0.02	3.2	204.
.7	500	2542	14.03	-0.32	-2.95	-0.02	3.4	204.
.2	958.	3000.					4.5	212.
0.7	1958.	4000.					6.3	248.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2742

06/27/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

ME IN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
.0	0.	2042.	1.1	1.1	1.5	225.
.5	91.	2133.	0.7	1.4	1.5	206.
.0	183.	2225.	0.8	1.7	1.9	204.
.5	274.	2316.	1.0	2.3	2.5	204.
.0	366.	2408.	1.0	2.7	2.9	200.
.5	457.	2499.	1.3	2.9	3.2	204.
.0	549.	2591.	1.5	3.3	3.6	204.
.5	640.	2682.	1.5	3.4	3.7	204.
.0	732.	2774.	1.3	3.4	3.6	202.
.5	823.	2865.	2.3	3.3	4.9	208.
.0	914.	2956.	3.5	2.5	4.3	235.
.5	1006.	3048.	0.6	4.8	4.8	187.
.0	1097.	3139.	2.9	3.7	4.7	219.
.5	1189.	3231.	3.1	3.6	4.8	220.
.0	1280.	3322.	3.4	3.1	4.6	227.
.5	1372.	3414.	3.2	3.1	4.5	226.
.0	1463.	3505.	4.5	3.2	5.5	235.
.5	1554.	3596.	5.5	2.1	5.9	250.
.0	1646.	3688.	4.4	3.5	5.7	231.
.5	1737.	3779.	4.8	2.4	5.4	243.
.0	1829.	3871.	5.3	2.5	5.9	245.
.5	1920.	3962.	4.9	2.6	5.5	242.
.0	2012.	4054.	7.3	1.8	7.5	256.
.5	2103.	4145.	4.8	2.6	5.4	241.
.0	2195.	4237.	5.5	1.9	5.8	251.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2736

DATE 06/27/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		21.50		0.0		5.1	225.
0.8	150	2192	20.04	-1.46	-2.30	0.63	2.7	233.
1.6	300	2342	19.02	-1.02	-2.30	0.63	3.2	229.
2.5	458.	2500.	17.00	-1.48	-3.12	-0.19	3.5	224.
2.7	500	2542	17.05	-0.49	-3.12	-0.19	3.6	223.
5.0	958.	3000.	11.90	-4.72	-3.44	-0.52	4.7	218.
9.7	1958.	4000.	2.60	-9.72	-2.62	0.30	5.5	226.
14.9	2958.	5000.	-4.10	-6.71	-1.64	1.29		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2736

DATE 06/27/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.6	3.6	5.1	225.
0.5	91.	2133.	2.0	1.3	2.4	236.
1.0	183.	2225.	2.2	1.8	2.9	231.
1.5	274.	2316.	2.4	2.1	3.2	229.
2.0	366.	2408.	2.4	2.1	3.2	229.
2.5	457.	2499.	2.4	2.5	3.5	224.
3.0	550.	2592.	2.4	2.7	3.7	222.
3.5	653.	2695.	2.7	3.2	4.2	221.
4.0	750.	2792.	2.7	3.2	4.2	221.
4.5	853.	2895.	2.7	3.4	4.4	219.
5.0	958.	3000.	2.9	3.7	4.7	218.
5.5	1058.	3100.	2.5	3.2	4.9	211.
6.0	1168.	3210.	2.3	3.9	4.5	210.
6.5	1280.	3322.	2.8	3.6	4.6	218.
7.0	1390.	3432.	3.7	4.6	5.9	219.
7.5	1482.	3524.	3.5	3.6	5.0	224.
8.0	1577.	3619.	3.7	3.9	5.3	223.
8.5	1687.	3729.	3.5	4.4	5.6	219.
9.0	1792.	3834.	3.7	4.5	5.9	220.
9.5	1910.	3952.	4.6	4.0	6.0	229.
10.0	2007.	4049.	3.4	3.6	4.9	223.
10.5	2099.	4141.	3.4	3.3	4.7	226.
11.0	2190.	4232.	4.6	2.8	5.3	239.
11.5	2291.	4333.	4.6	2.9	5.5	238.
12.0	2423.	4465.	6.1	4.7	7.7	232.

MONTH: JUNE YEAR: 1976. COL. CR TRACT ELEV 2042 METERS

HOLZWORTHIS CLASSIFICATION SCHEME FOR INVERSIONS
MODIFIED TO SHOW TOTAL NUMBER INSTEAD OF PERCENT

THICKNESS (METERS)	SFC	1-100	101-250	251-500	501-750	751-1000	1000-1500	1501-2000	2001-2500	2501-3000	TOTAL
					INVERSION BASE HEIGHT (M)						
1 - 100	2	1	2	2	1	1	4	0	0	0	13
101 - 250	1	0	1	0	0	0	1	0	0	0	3
251 - 500	0	0	0	0	0	0	0	0	0	0	0
501 - 750	0	0	0	0	0	0	0	0	0	0	0
751 - 1000	0	0	0	0	0	0	0	0	0	0	0
1001 - 1500	0	0	0	0	0	0	0	0	0	0	0
> 1500	0	0	0	0	0	0	0	0	0	0	0
INV TOTAL	3	1	3	2	1	1	5	0	0	0	16
DT/DZ 5		0	0	0	0	0	0	0	0	0	0
FROM INV 4		0	1	0	0	0	1	0	0	0	2
BASE 3		1	1	2	0	1	4	0	0	0	9
TO 2		0	0	0	1	0	0	0	0	0	1
SFC 1		0	1	0	0	0	0	0	0	0	1
NO INV TOT		8	8	8	8	8	8				
DT/DZ FOR 5		0	0	0	0	0	0				
SAME 4		2	2	1	2	1	3				
LAYERS 3		2	5	7	6	7	5				
AS INV 2		2	1	0	0	0	0				
BASE 1		2	0	0	0	0	0				

DT/DZ (DEG C)/100M
5= 0.00 TO -0.40
4=-0.41 TO -0.80
3=-0.81 TO -1.20
2=-1.21 TO -1.60
1=<-1.60

MONTH: JULY YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE A STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 1 SOUNDINGS FROM A SAMPLE OF 21 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE B STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE C STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.04	0.0	0.0	0.0	7.3	0.04
NE	0.04	0.0	0.0	0.0	0.0	0.0	1.4	0.04
ENE	0.08	0.0	0.0	0.0	0.0	0.0	1.1	0.08
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.04	0.04	0.04	0.04	0.0	0.0	5.6	0.16
S	0.0	0.08	0.0	0.04	0.0	0.0	7.7	0.12
SSW	0.08	0.08	0.20	0.04	0.0	0.0	6.8	0.40
SW	0.04	0.04	0.0	0.0	0.0	0.0	2.4	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.04	0.0	0.0	0.0	0.0	3.1	0.04
NW	0.0	0.04	0.0	0.0	0.0	0.0	3.5	0.04
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	1.6	4.2	7.9	12.2	0.0	0.0		0.0
TOTAL	0.28	0.32	0.28	0.12	0.0	0.0		1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE D STABILITY CLASS IS 1.00

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE E STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE F STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: JUNE YEAR: 1976. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.04	0.0	0.0	0.0	7.3	0.04
NE	0.04	0.0	0.0	0.0	0.0	0.0	1.4	0.04
ENE	0.08	0.0	0.0	0.0	0.0	0.0	1.1	0.08
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.04	0.04	0.04	0.04	0.0	0.0	5.8	0.16
S	0.0	0.08	0.0	0.04	0.0	0.0	7.7	0.12
SSW	0.08	0.08	0.20	0.04	0.0	0.0	6.8	0.40
SW	0.04	0.04	0.0	0.0	0.0	0.0	2.4	0.08
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.04	0.0	0.0	0.0	0.0	3.1	0.04
NW	0.0	0.04	0.0	0.0	0.0	0.0	3.5	0.04
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	1.6	4.2	7.9	12.2	0.0	0.0		0.0
TOTAL	0.28	0.32	0.28	0.12	0.0	0.0		1.00

NORMALIZED FREQUENCY DISTRIBUTION INDEPENDENT OF STABILITY

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 25 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

COL CR TRACT ELEV 2042 METERS SOUNDING ID 1794

TE 06/01/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 0M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.11
100.	250.	-0.84
250.	500.	-0.89
500.	750.	-0.98
750.	1000.	-1.07
1000.	1500.	-0.90

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1846

TE 06/01/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.54
100.	250.	-0.65
250.	500.	-0.85
500.	750.	-0.96
750.	1000.	-0.87
1000.	1500.	-0.80

COL CB TRACT ELEV 2042 METERS SOUNDING ID 158

TE 06/03/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	183.	0.27	0.0

COL CB TRACT ELEV 2042 METERS SOUNDING ID 194

TE 06/03/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.13
100.	250.	-1.08
250.	500.	-0.94
500.	750.	-1.14
750.	1000.	-1.00
1000.	1500.	-0.97

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1926

DATE 06/05/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.71
100.	250.	-0.93
250.	500.	-0.96
500.	750.	-0.66
750.	1000.	-0.90
1000.	1500.	-1.08

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1016

DATE 06/07/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	46.	0.0	0.0

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1006

DATE 06/07/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
187.	233.	0.0	-1.07

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1024

DATE 06/09/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
370.	416.	0.0	-0.95

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 528

DATE 06/09/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
535.	581.	0.0	-1.21

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 170

DATE 06/11/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1162.	1207.	0.0	-1.03

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

TE 06/11/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
183.	320.	0.0	-0.55

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

TE 06/13/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.39
100.	250.	-1.07
250.	500.	-0.83
500.	750.	-0.71
750.	1000.	-0.76
1000.	1500.	-0.79

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 0

TE 06/13/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1358.	1449.	0.0	-1.10

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 127

TE 06/15/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1234.	1463.	0.22	-0.72

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 439

TE 06/15/76 TIME 12:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
290.	335.	0.0	-1.00

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1173

TE 06/17/76 TIME 06:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	46.	0.0	0.0

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2747

TE 06/17/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
91.	137.	0.0	-1.09

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2741

ATE 06/19/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
171.	246.	0.0	-1.87

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2743

ATE 06/19/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.74
100.	250.	-0.76
250.	500.	-0.82
500.	750.	-1.08
750.	1000.	-1.01
1000.	1500.	-0.77

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2745

DATE 06/23/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
947.	993.	0.0	-0.90

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2740

DATE 06/23/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.72
100.	250.	-1.34
250.	500.	-0.74
500.	750.	-0.94
750.	1000.	-0.98
1000.	1500.	-1.05

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2746

DATE 06/25/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1050.	1095.	0.0	-1.02

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2744

DATE 06/25/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.79
100.	250.	-0.94
250.	500.	-1.07
500.	750.	-1.03
750.	1000.	-0.86
1000.	1500.	-1.01

COL CR TRACT ELEV 2042 METERS SOUNDING ID 2742

DATE 06/27/76 TIME 06:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

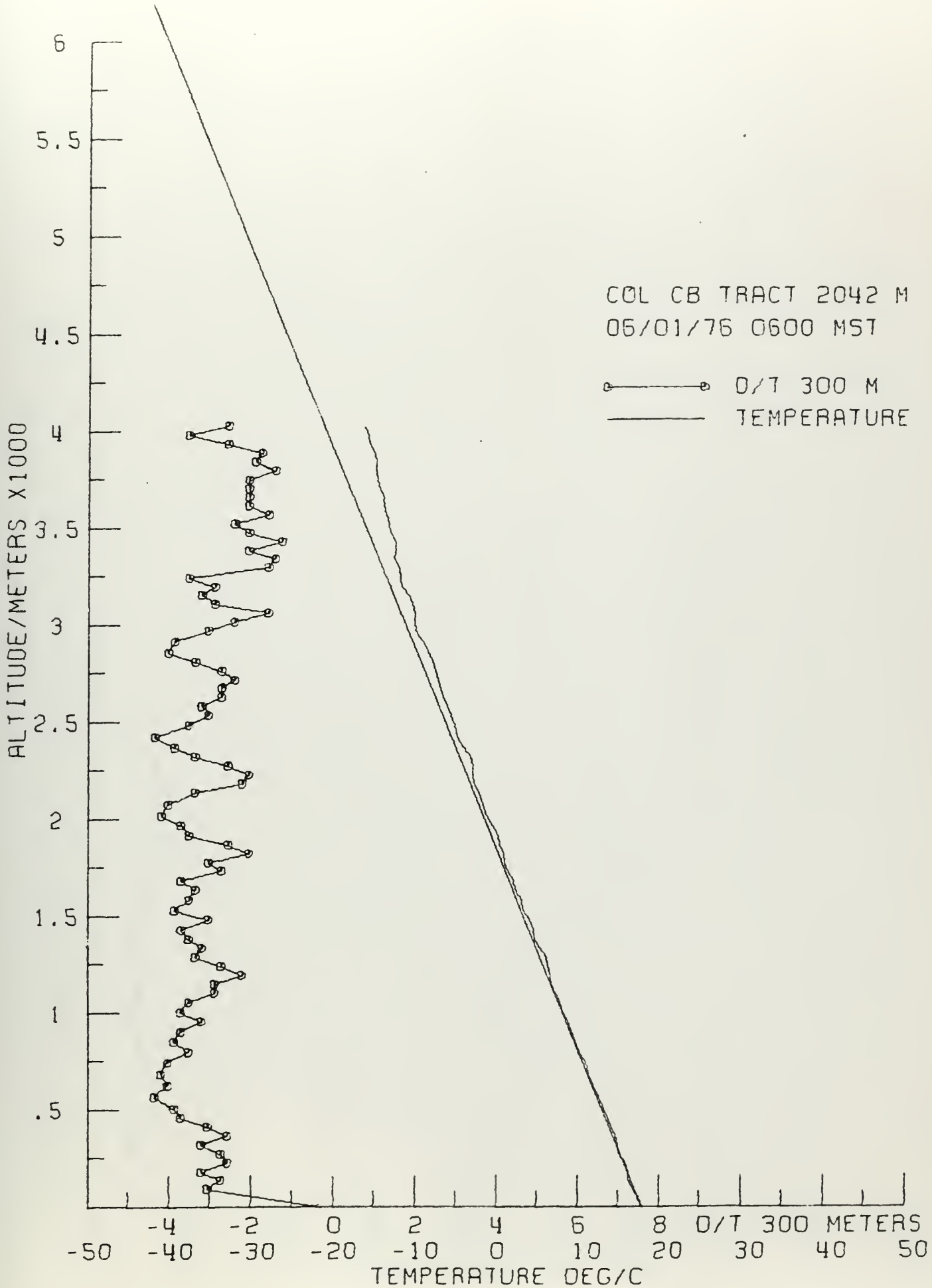
THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

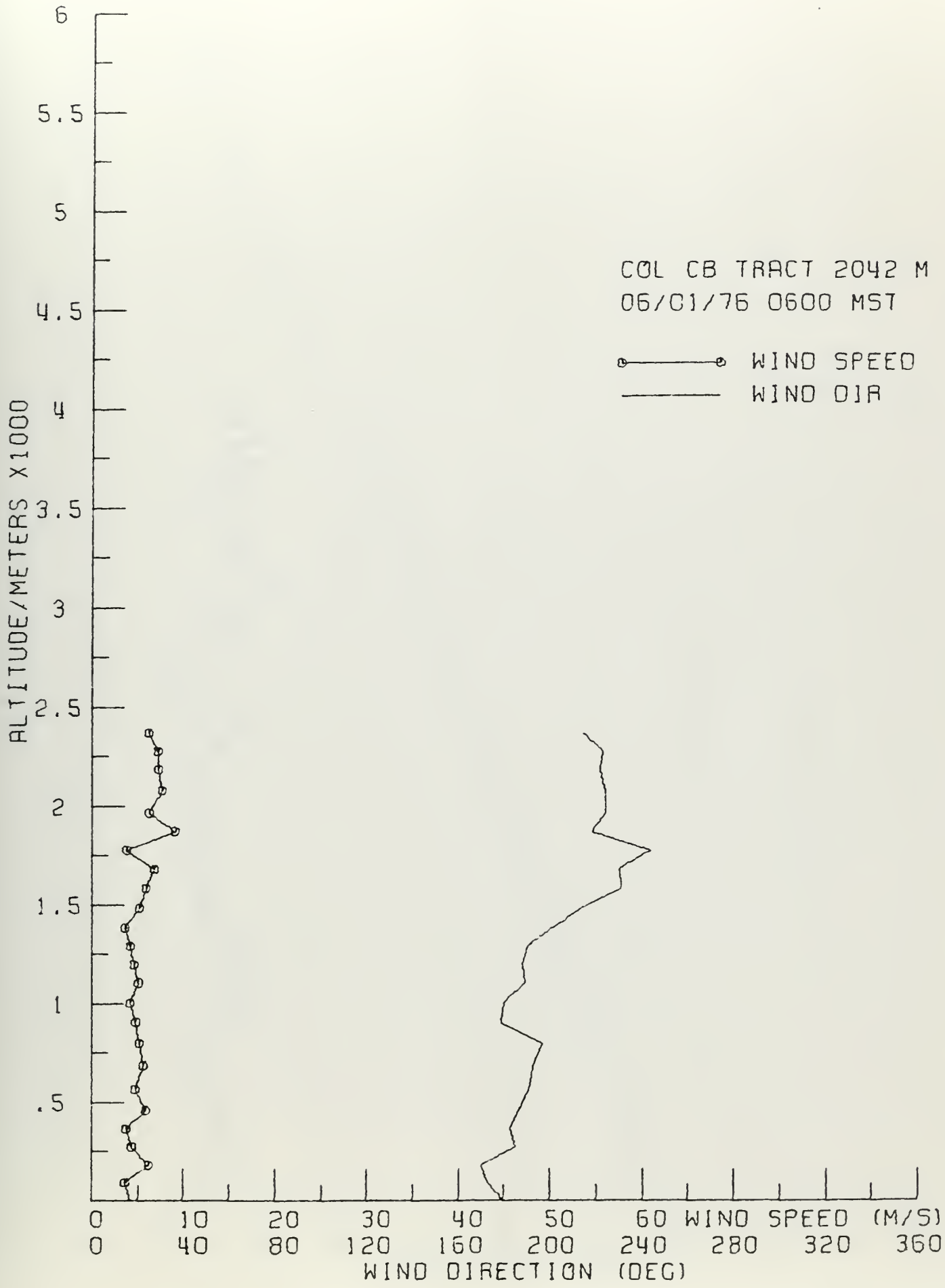
****

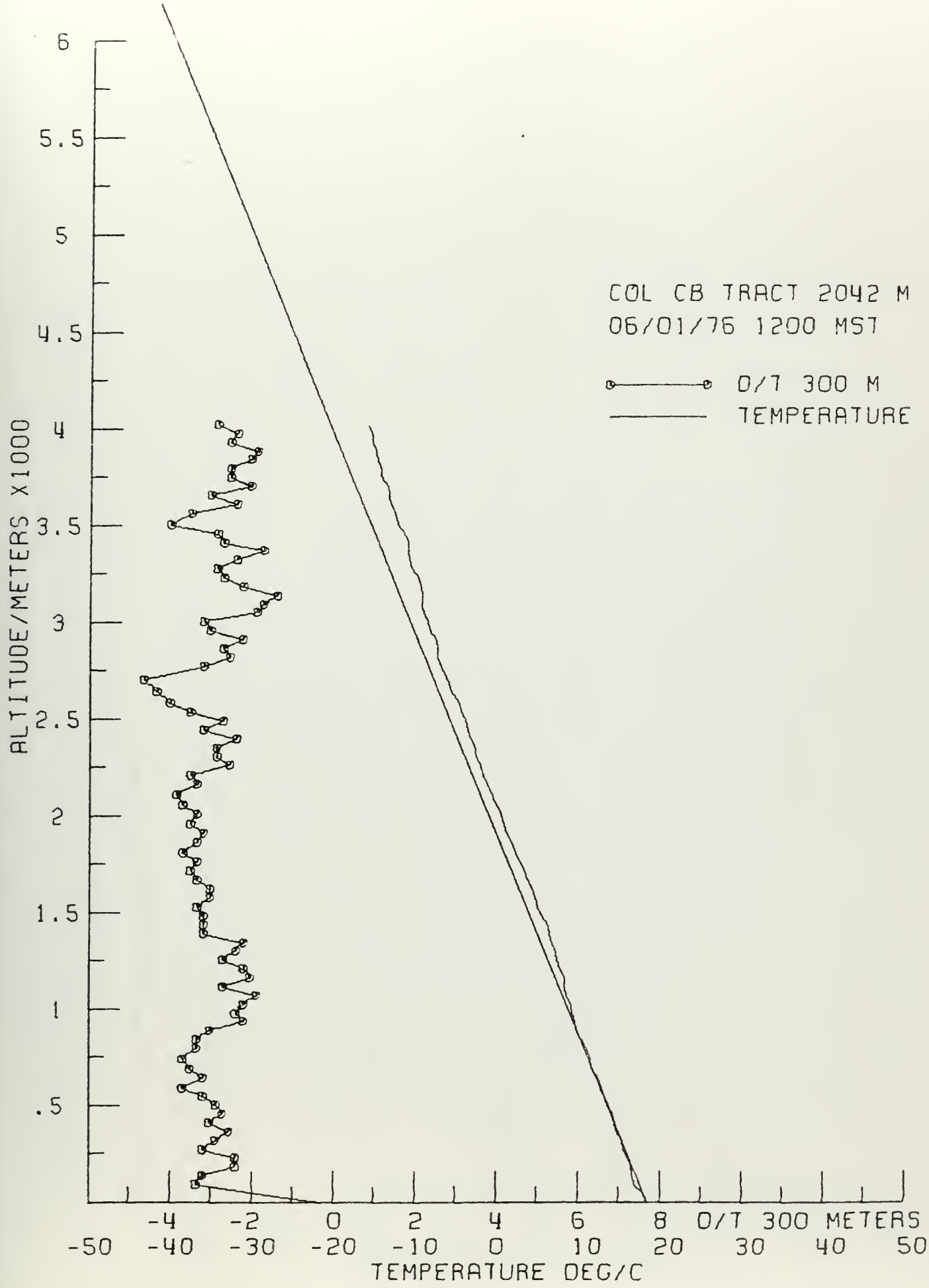
COL CR TRACT ELEV 2042 METERS SOUNDING ID 2736

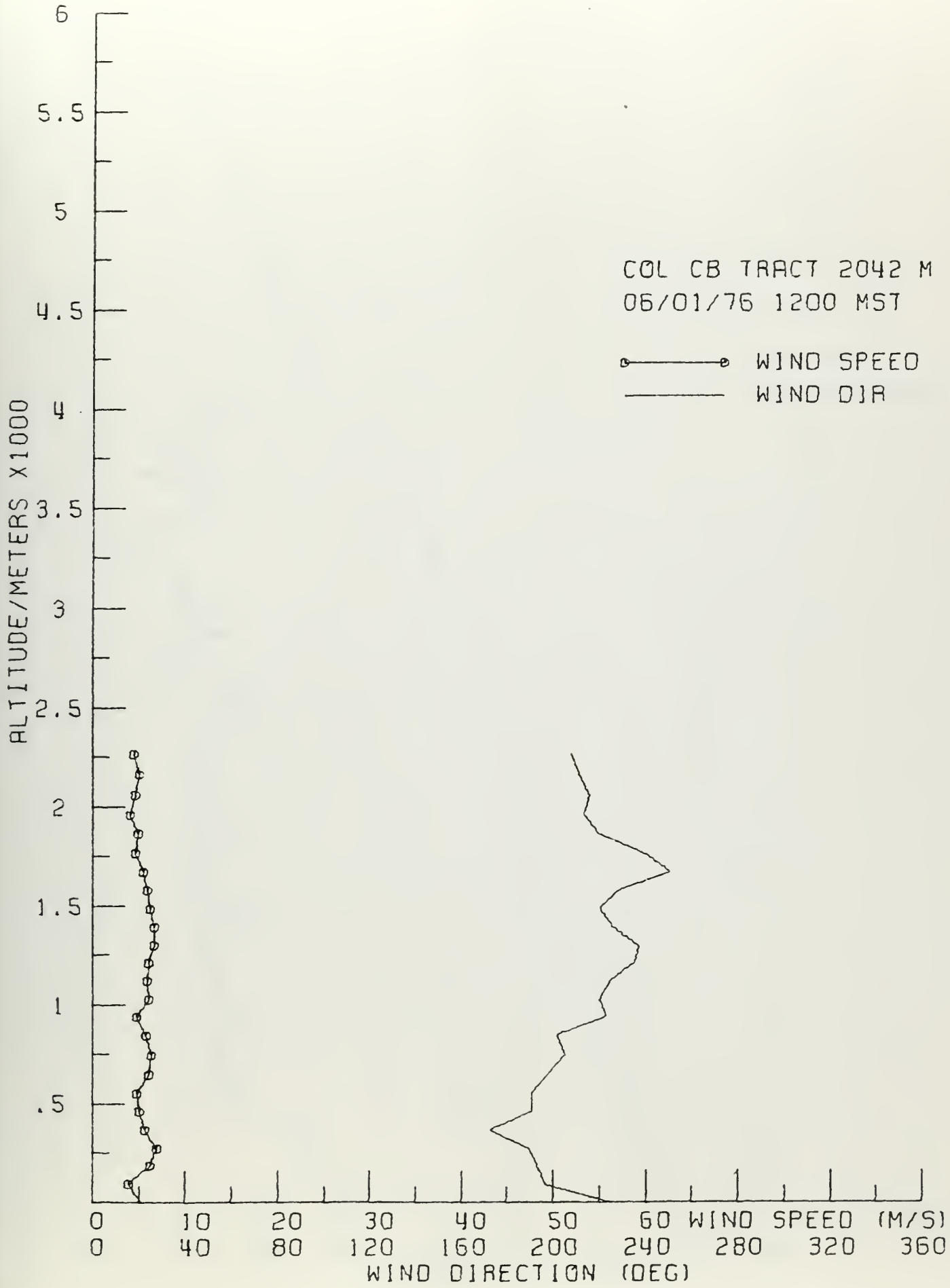
DATE 06/27/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

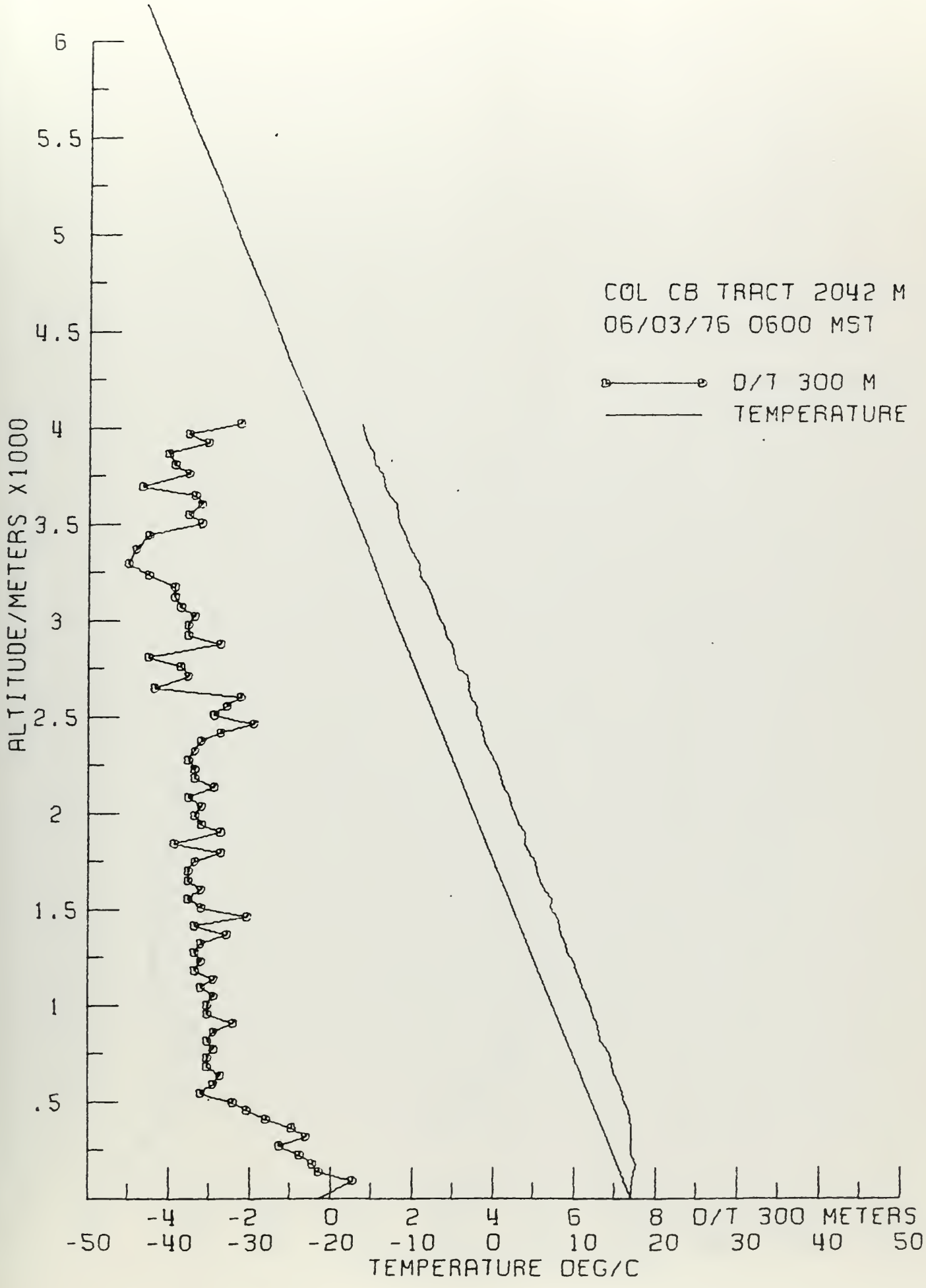
INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1436.	1482.	0.0	-0.94

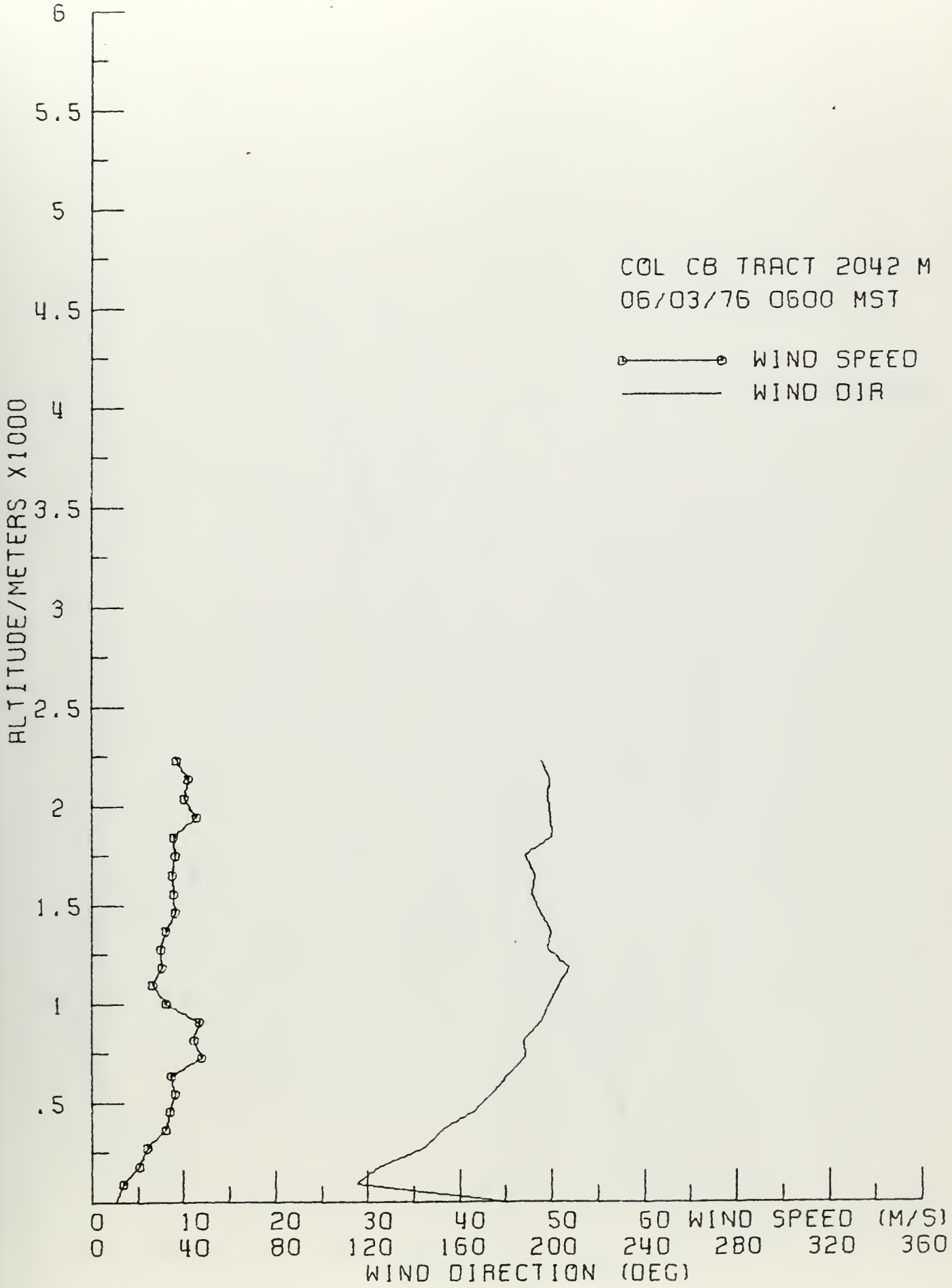

COL CB TRACT 2042 M
06/01/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

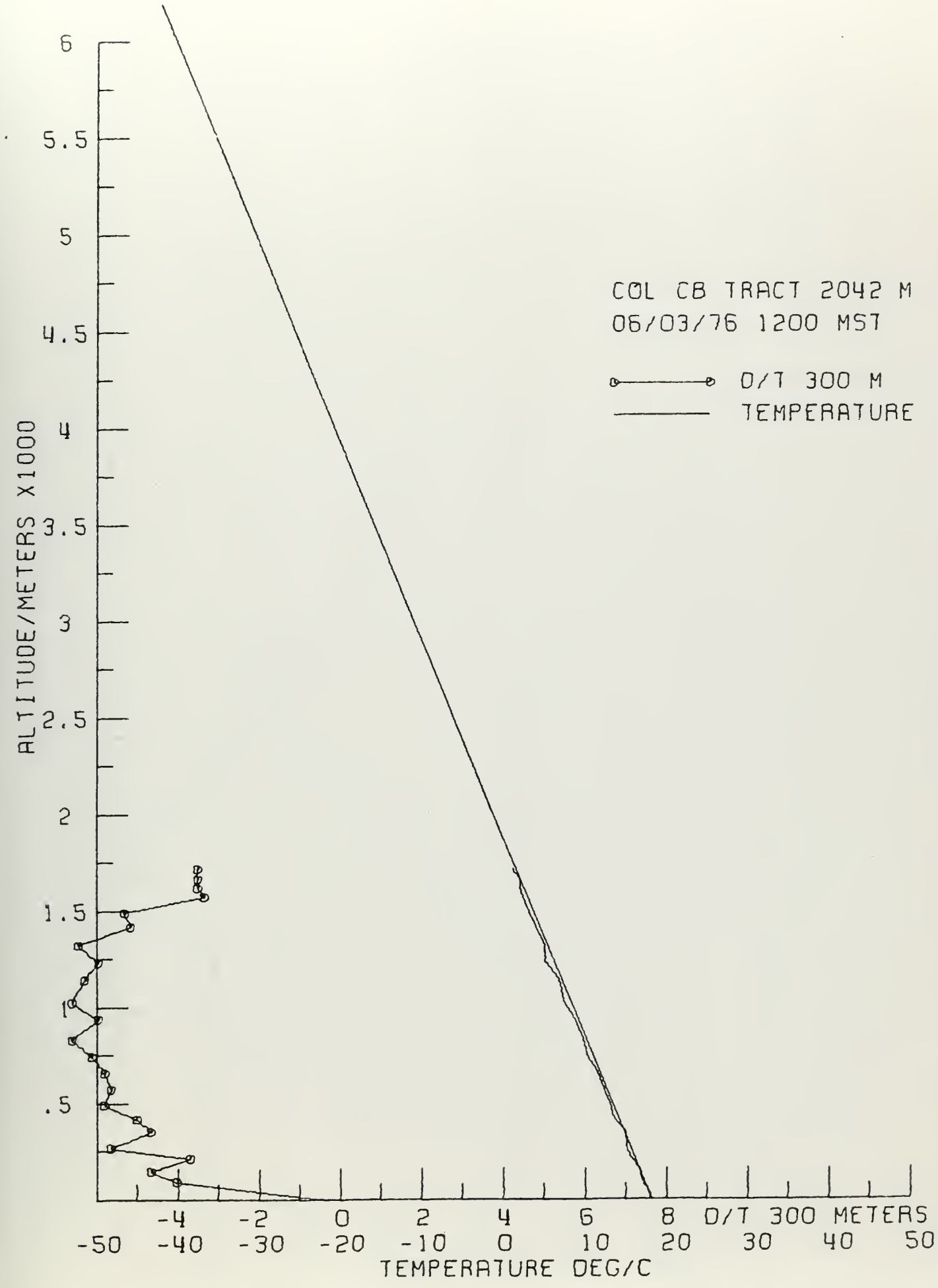

COL CB TRACT 2042 M
06/01/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

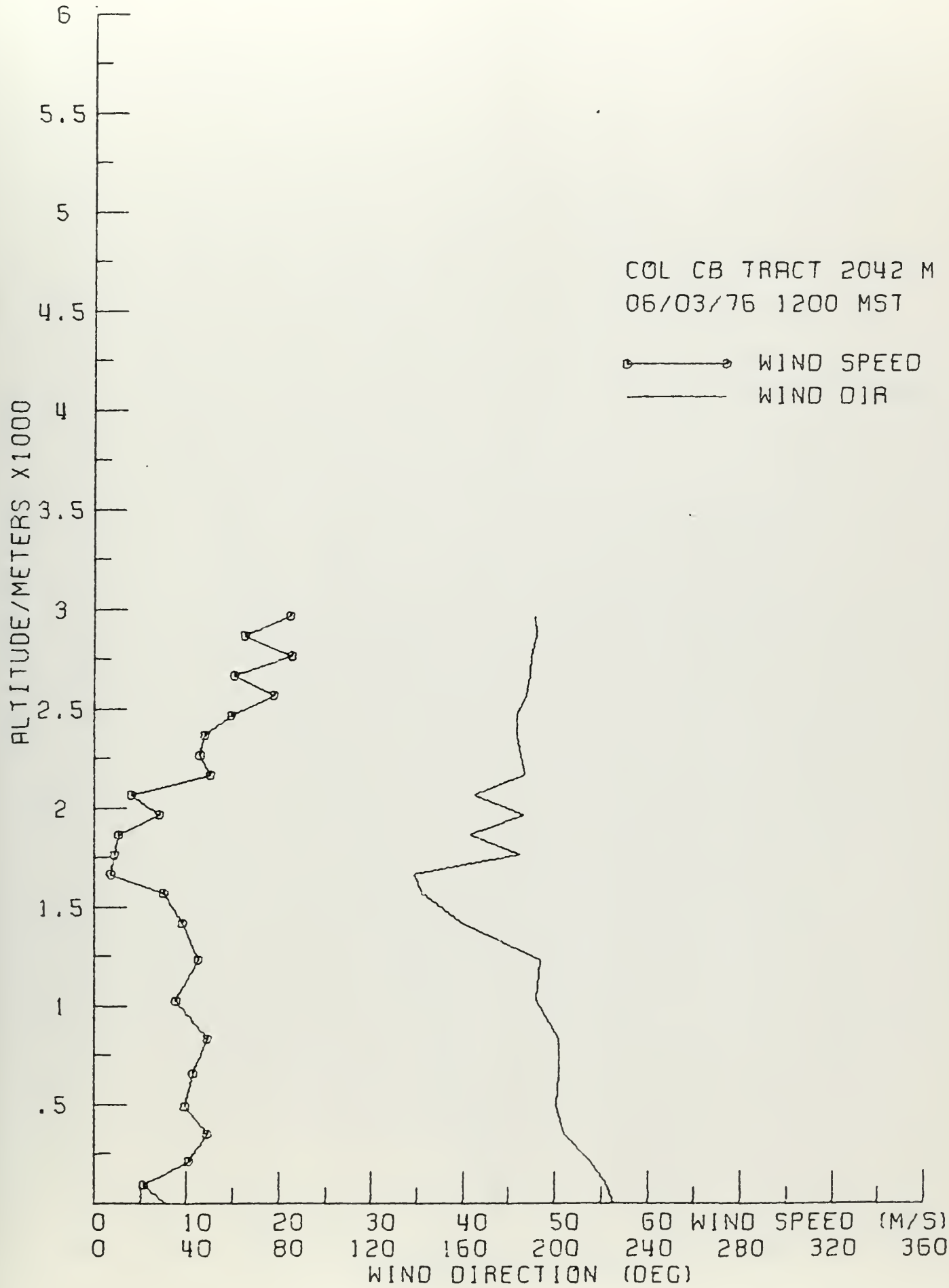

COL CB TRACT 2042 M
06/01/76 1200 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

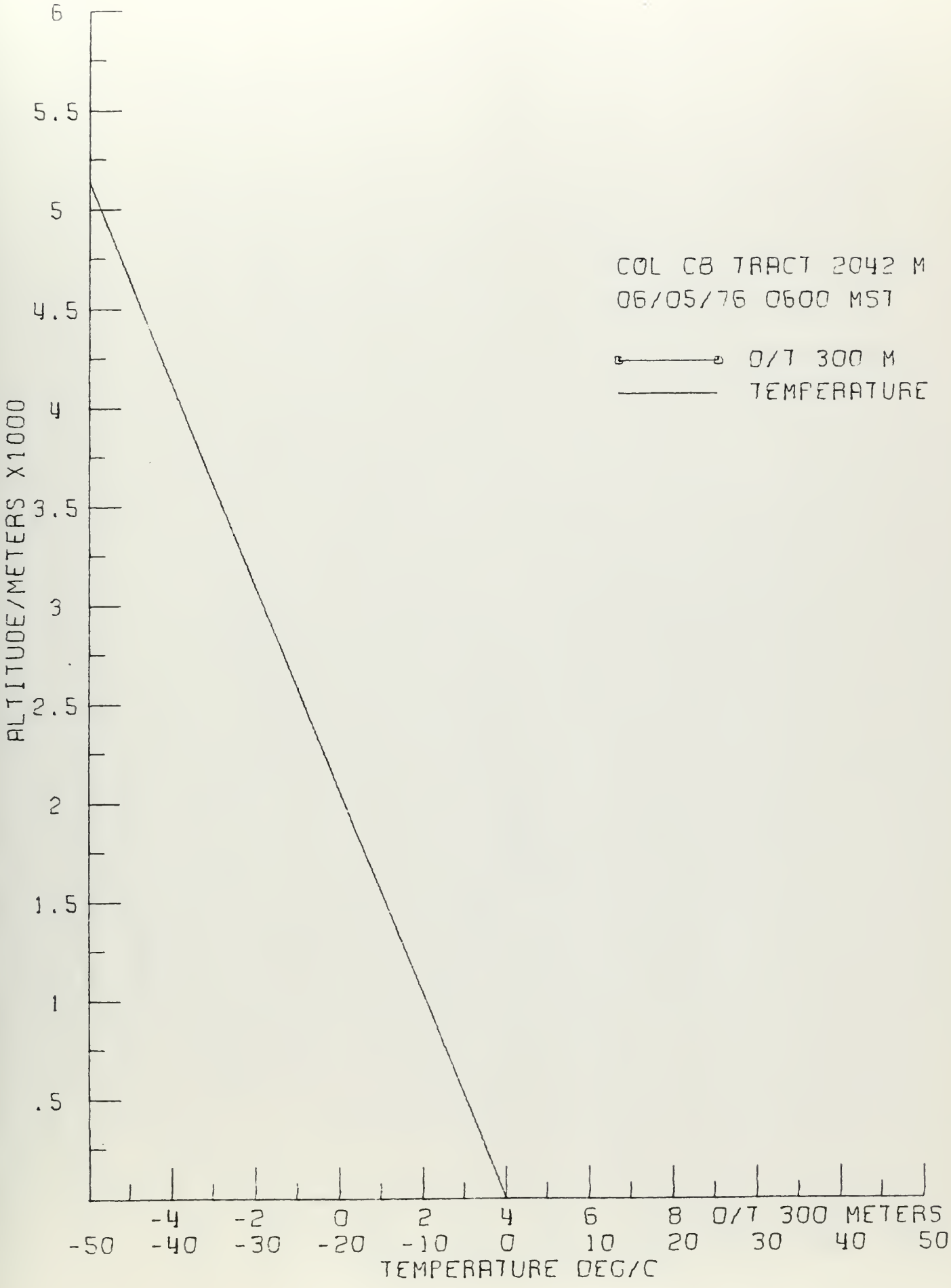

COL CB TRACT 2042 M
06/01/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

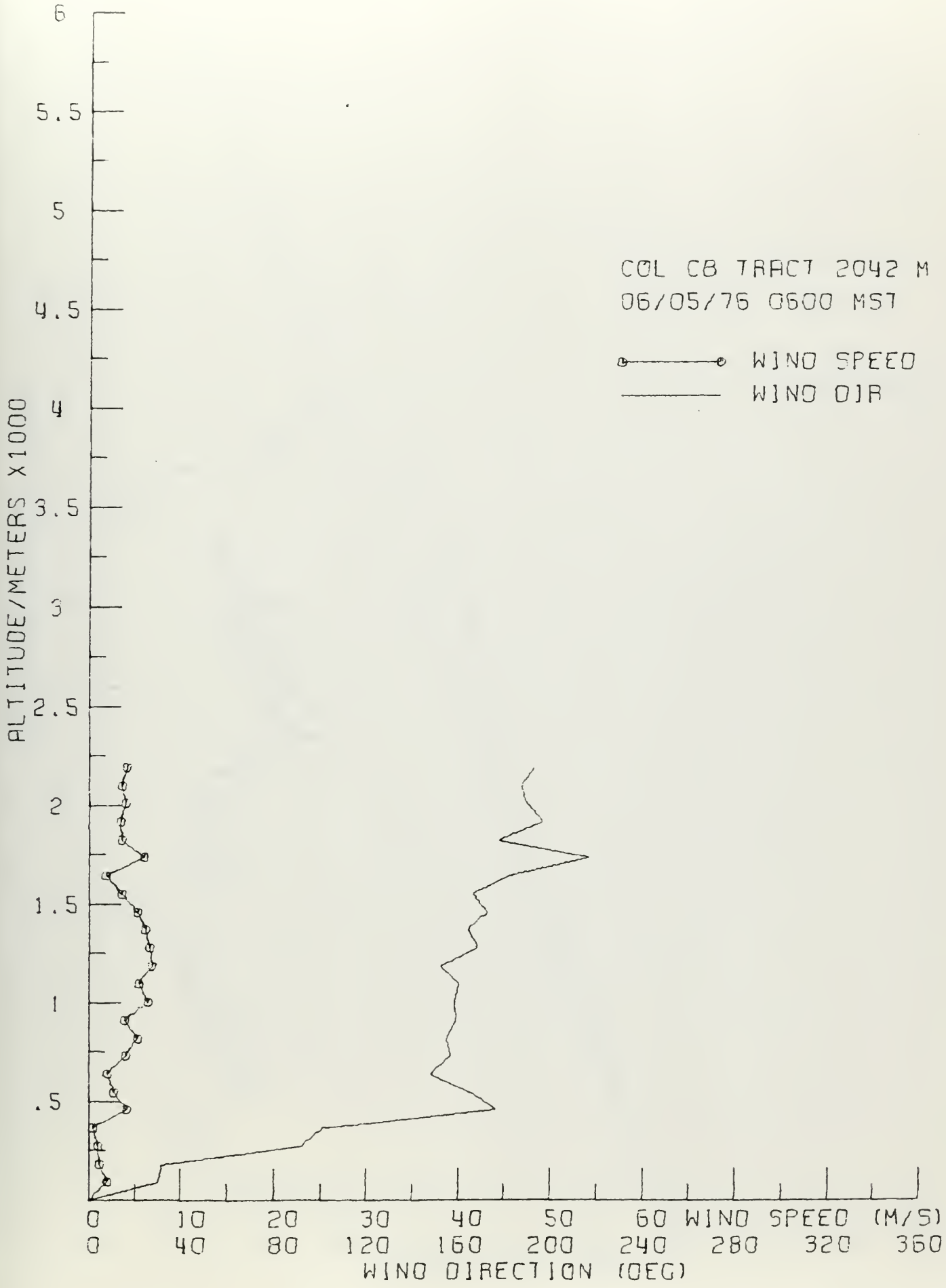

COL CB TRACT 2042 M
06/03/76 0600 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

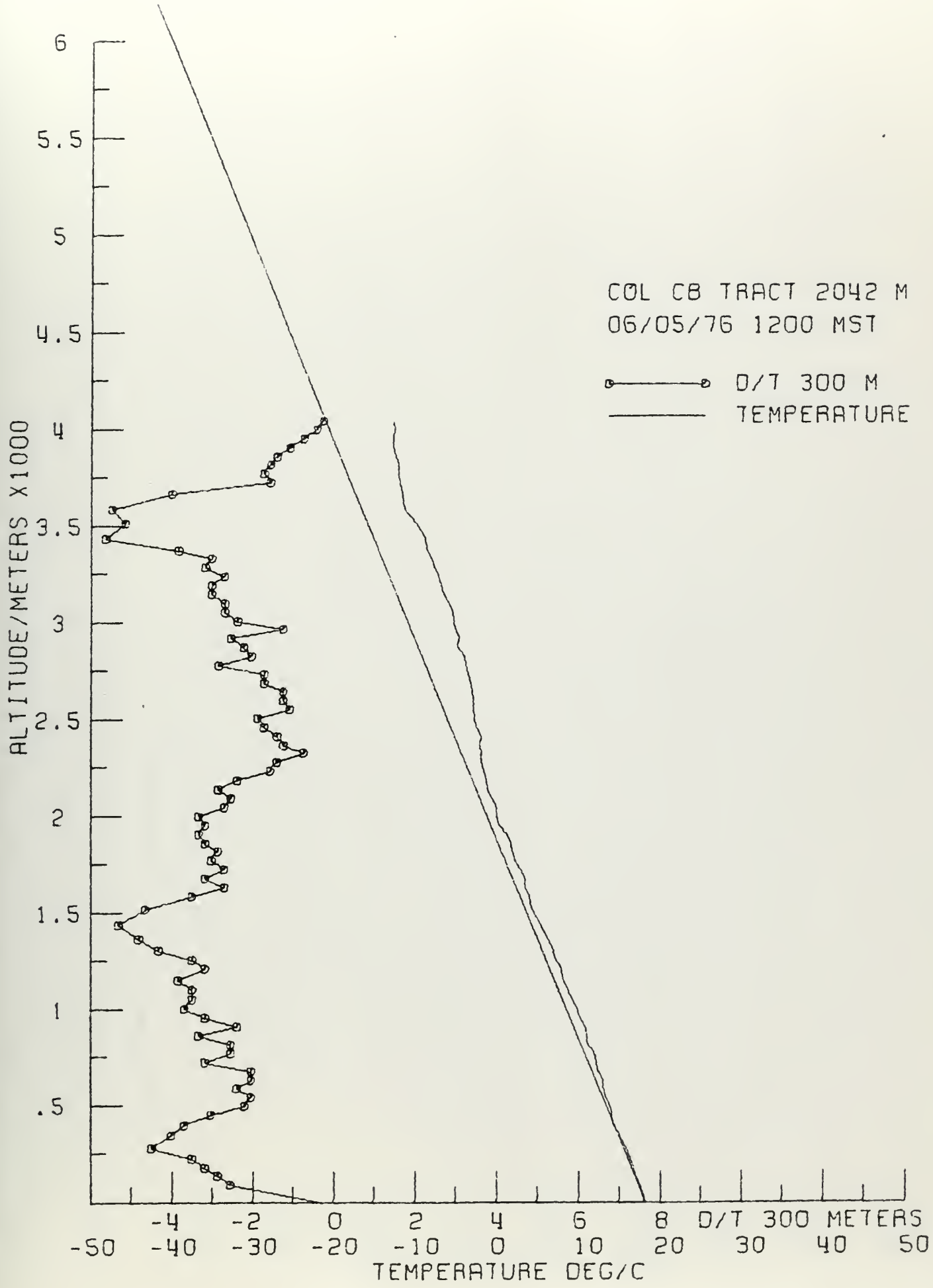

COL CB TRACT 2042 M
06/03/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

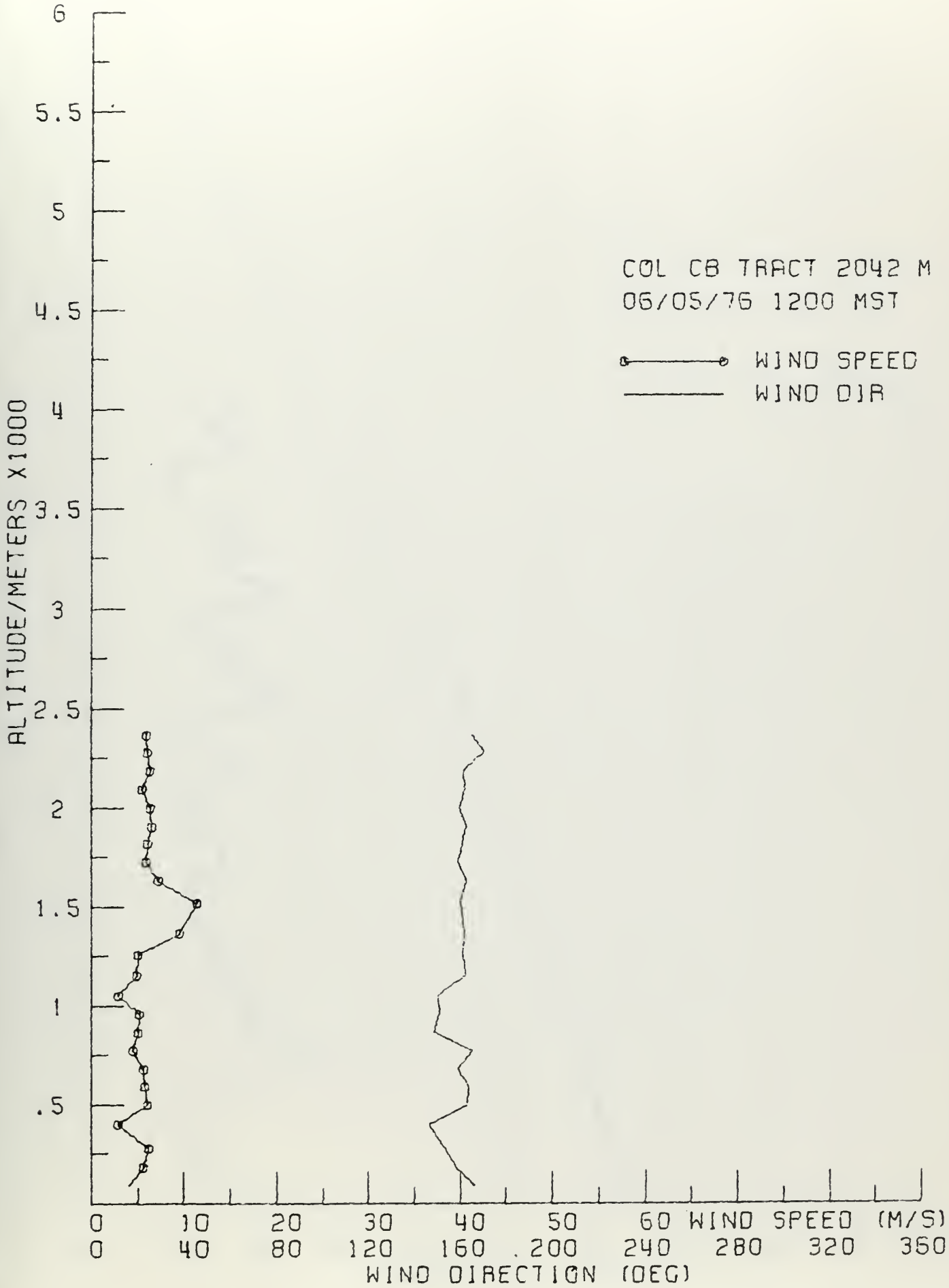

COL CB TRACT 2042 M
06/03/76 1200 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

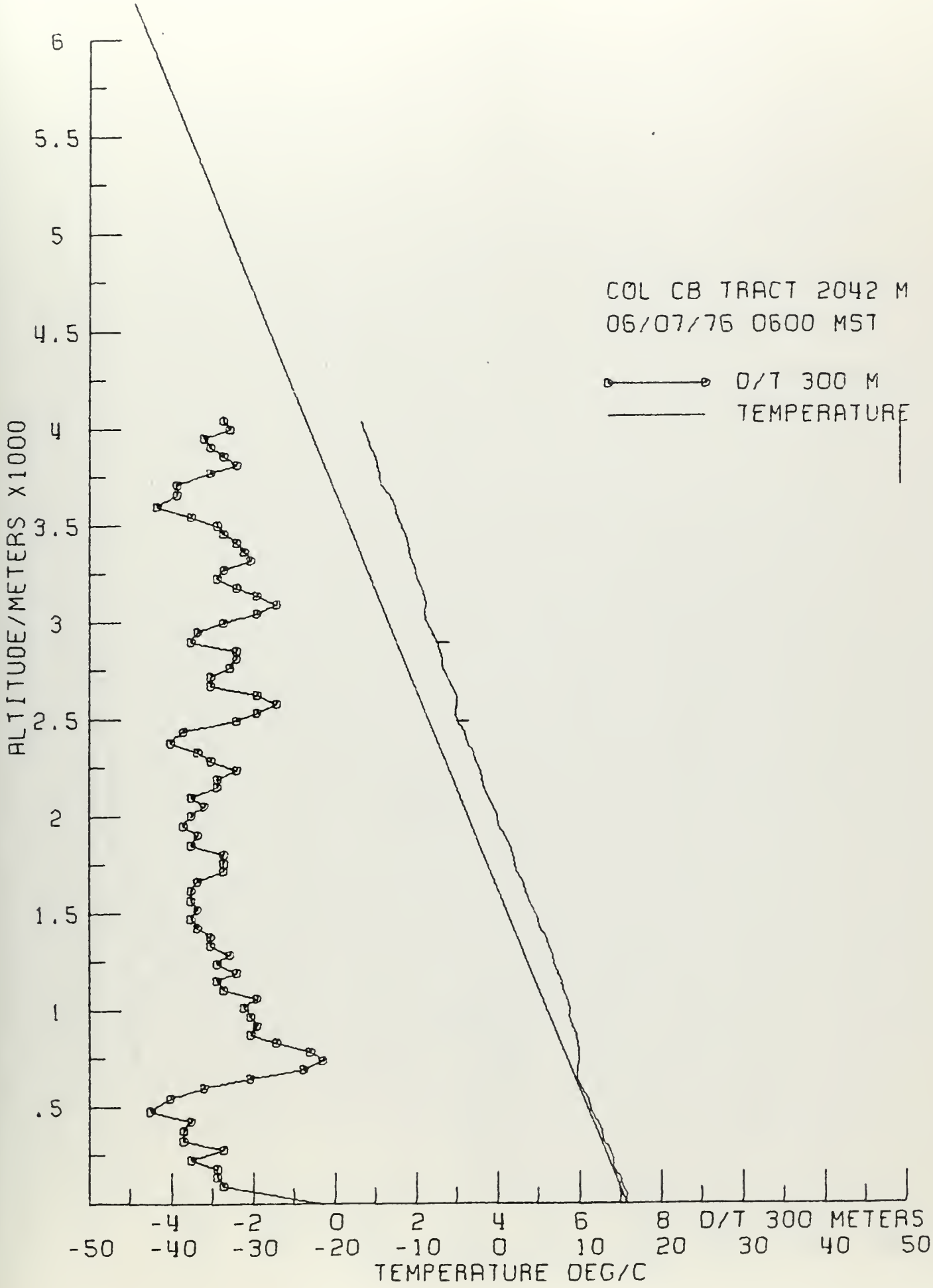

COL CB TRACT 2042 M
06/03/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

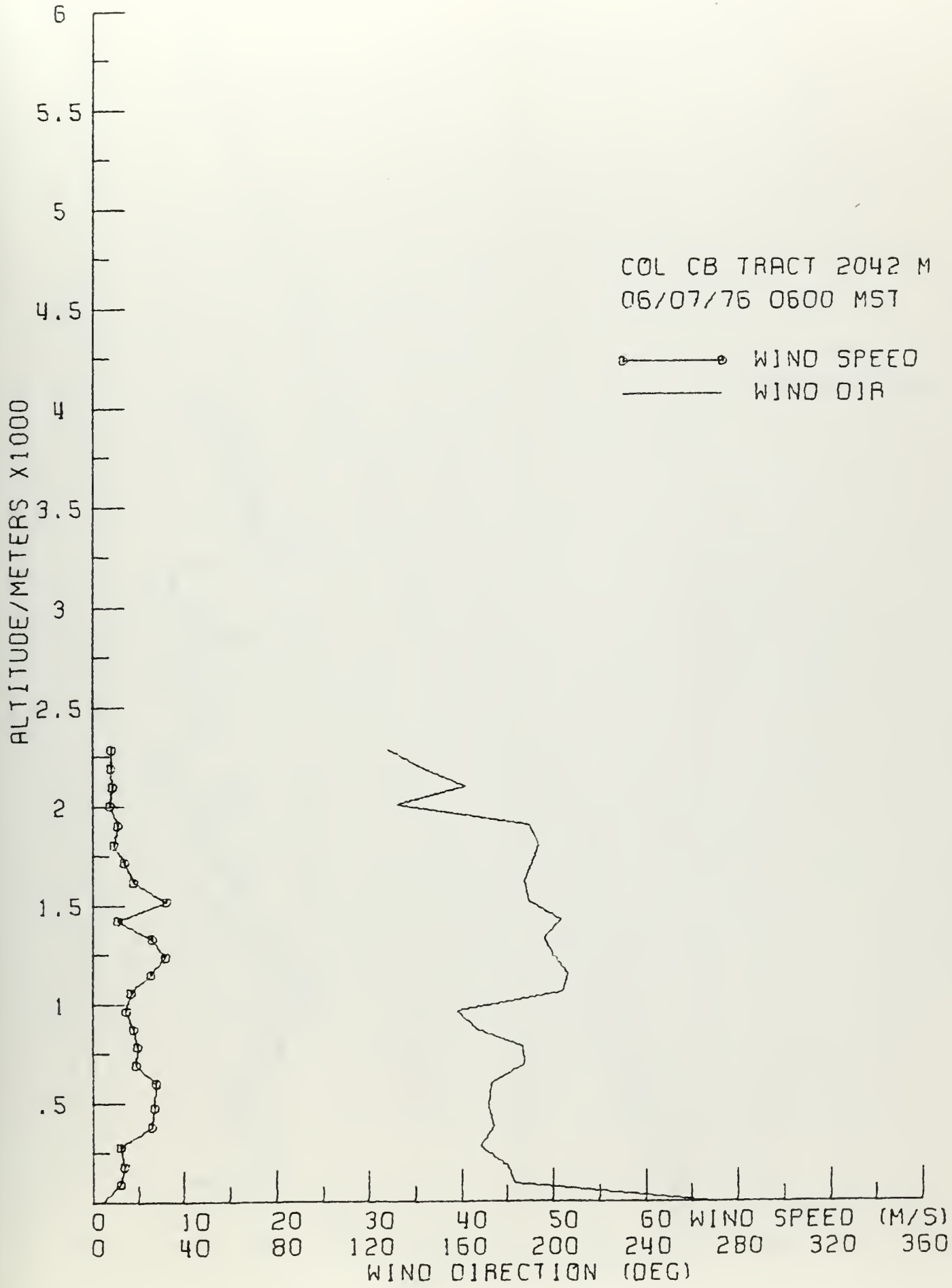

COL CB TRACT 2042 M
06/05/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

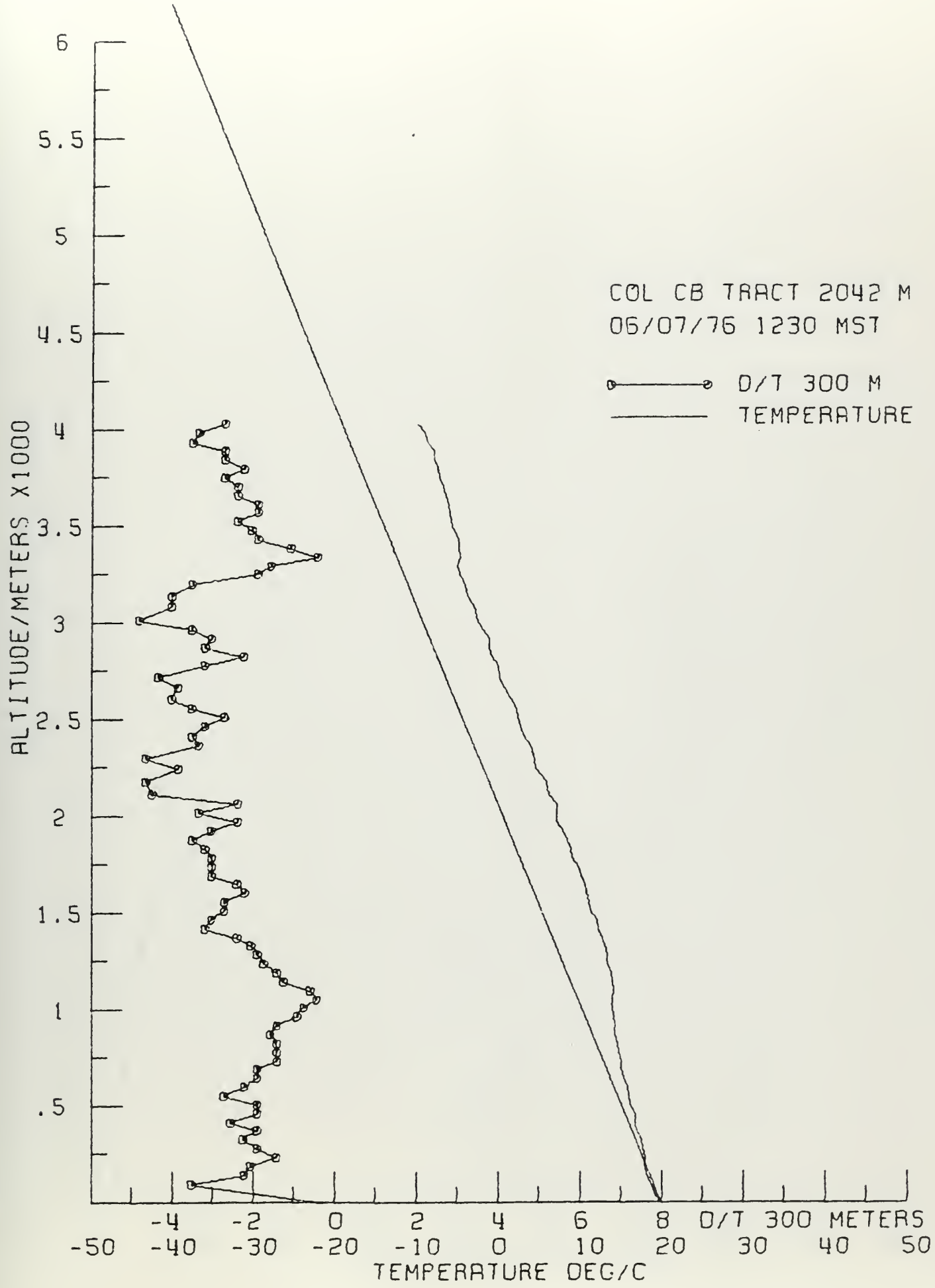

COL CB TRACT 2042 M
06/05/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

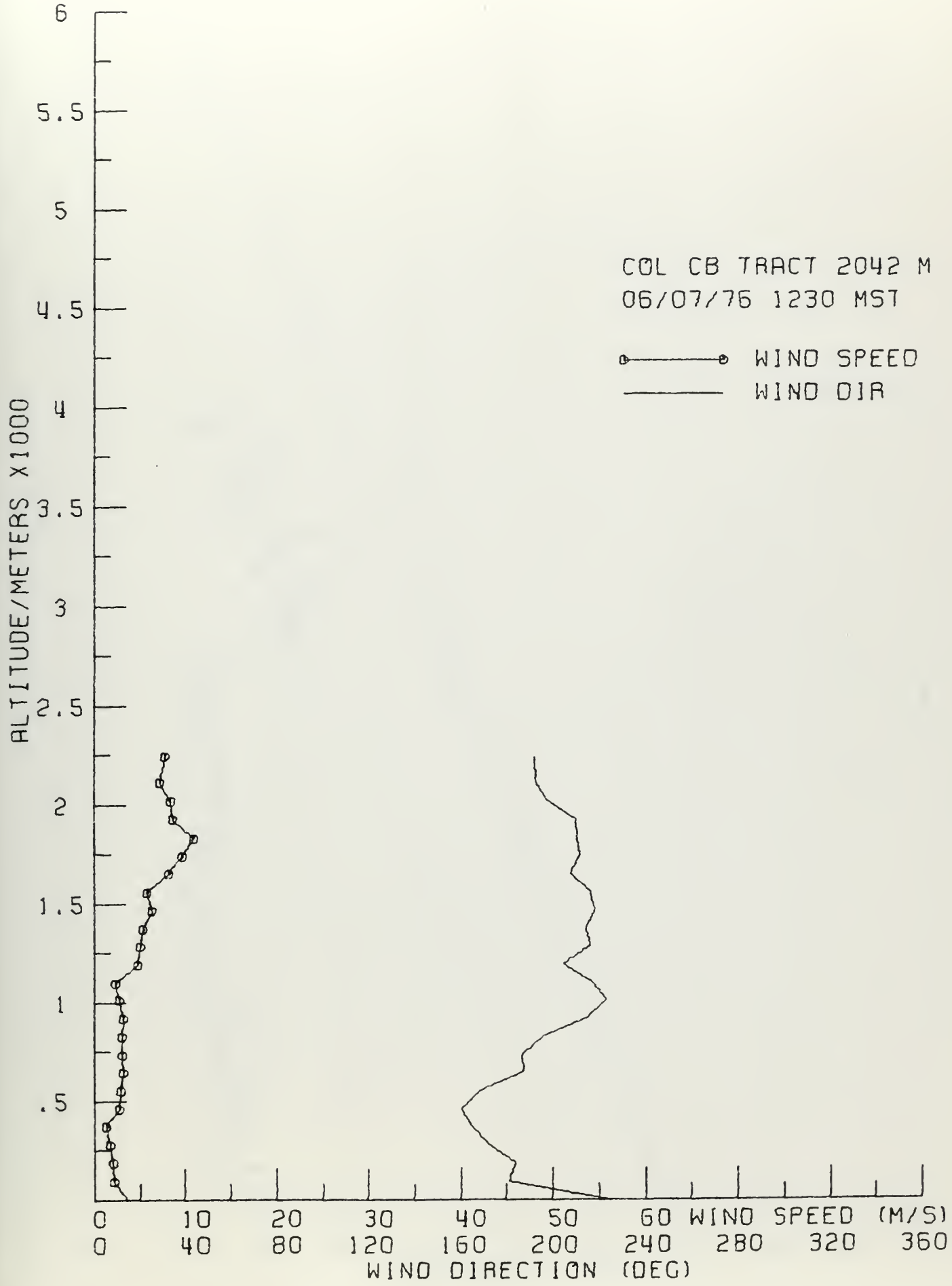

COL CB TRACT 2042 M
06/05/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

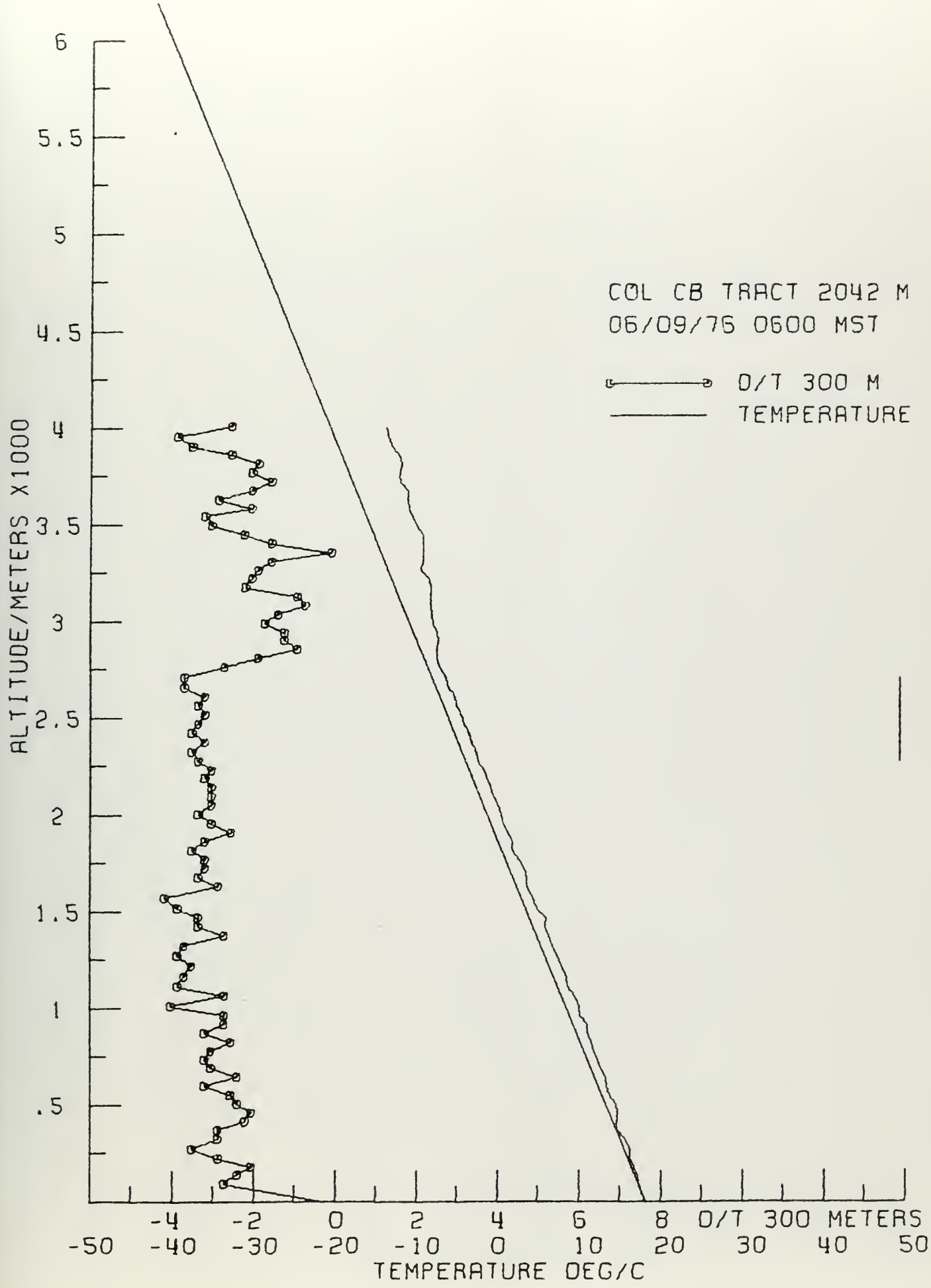

COL CB TRACT 2042 M
06/05/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

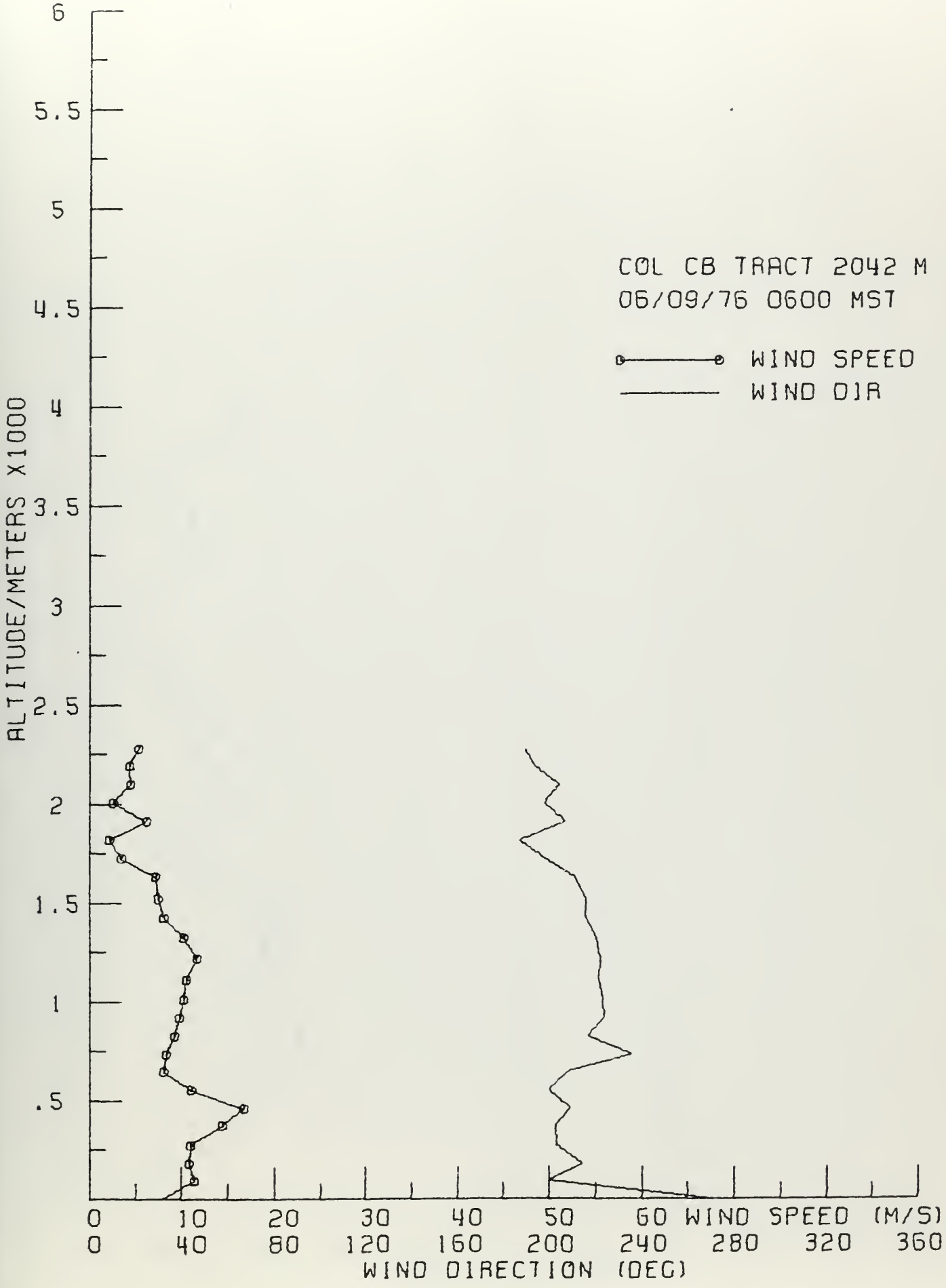

COL CB TRACT 2042 M
06/07/76 0600 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

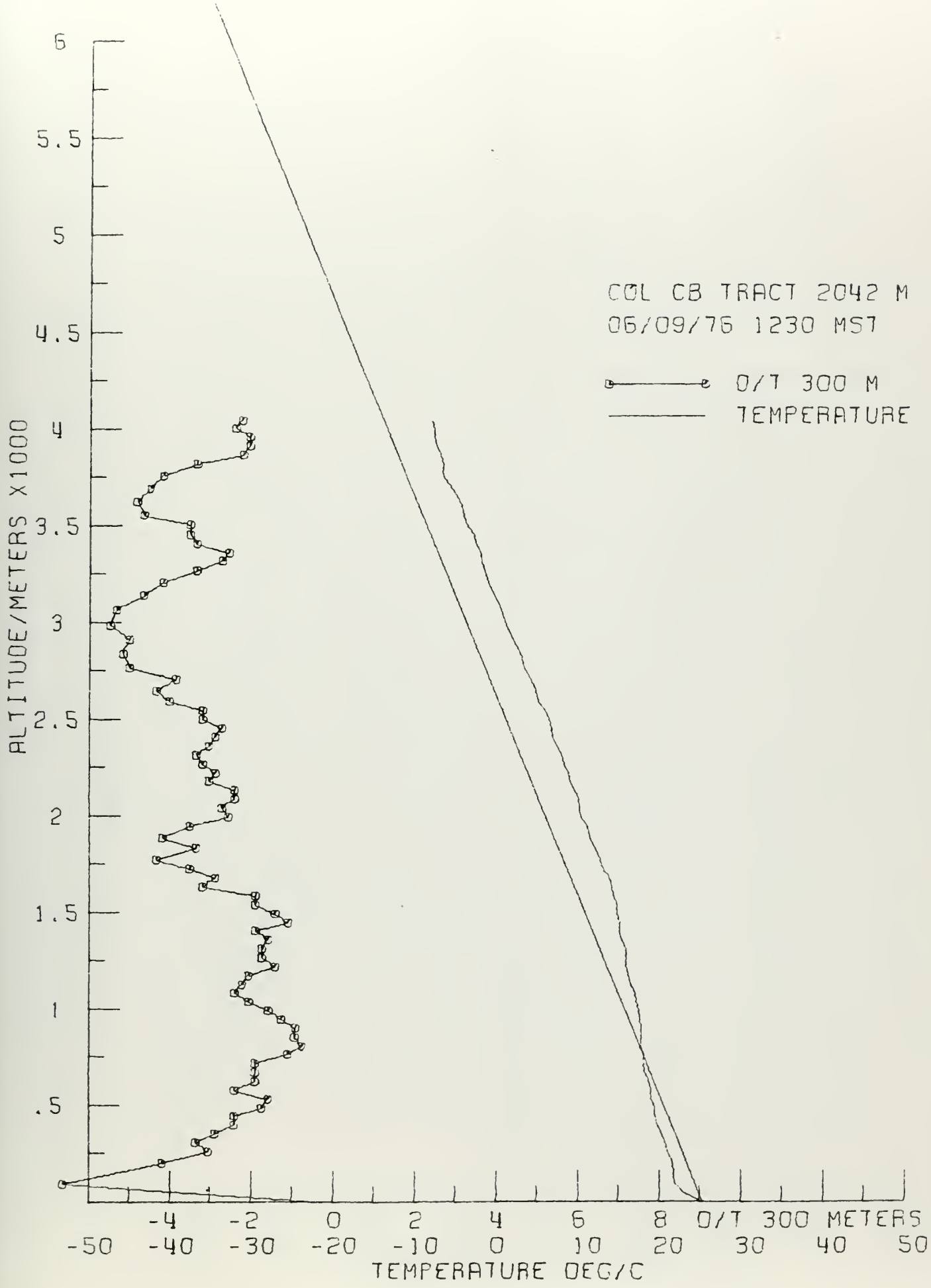

COL CB TRACT 2042 M
06/07/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

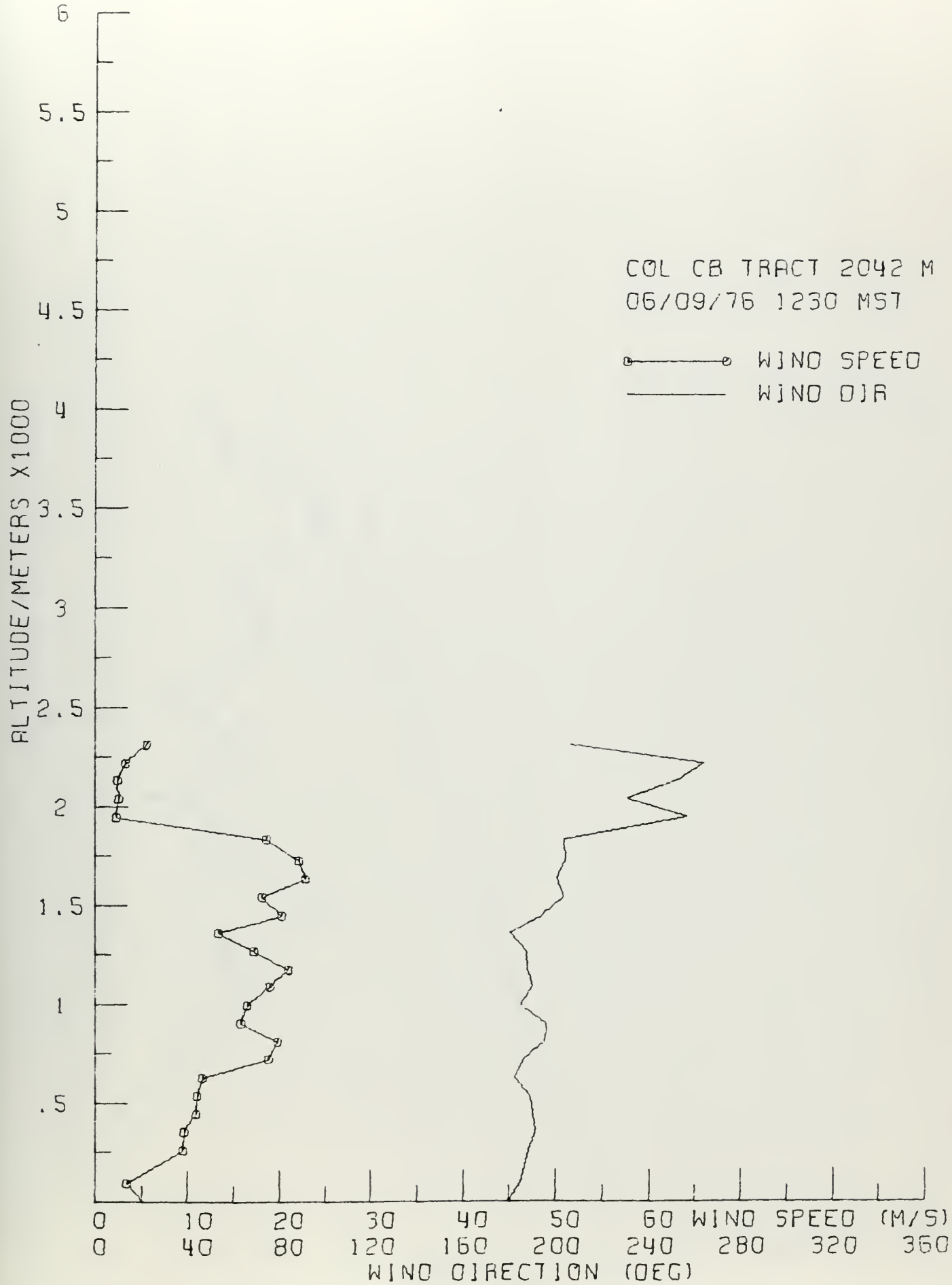

COL CB TRACT 2042 M
06/07/76 1230 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

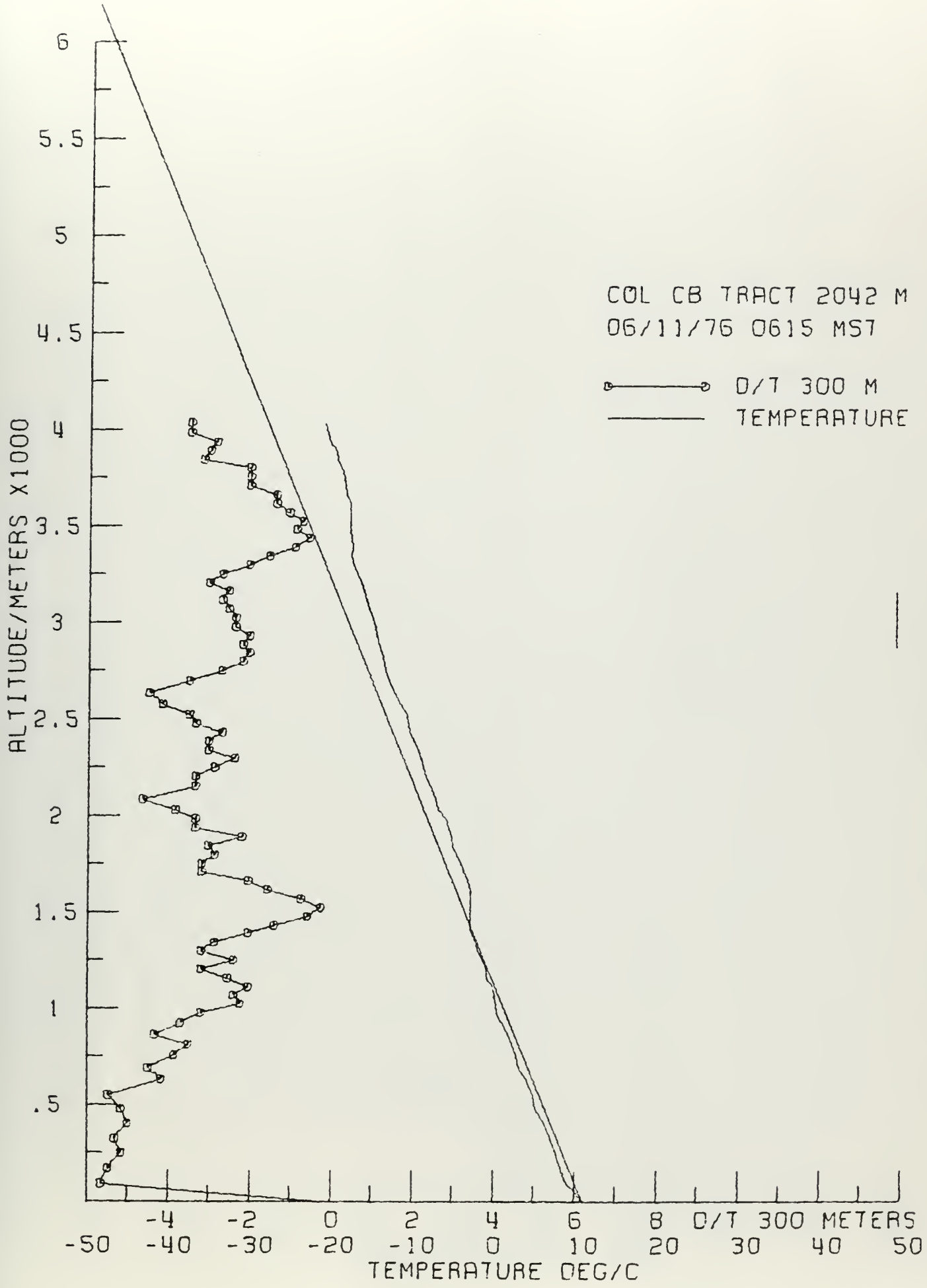

COL CB TRACT 2042 M
06/07/76 1230 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

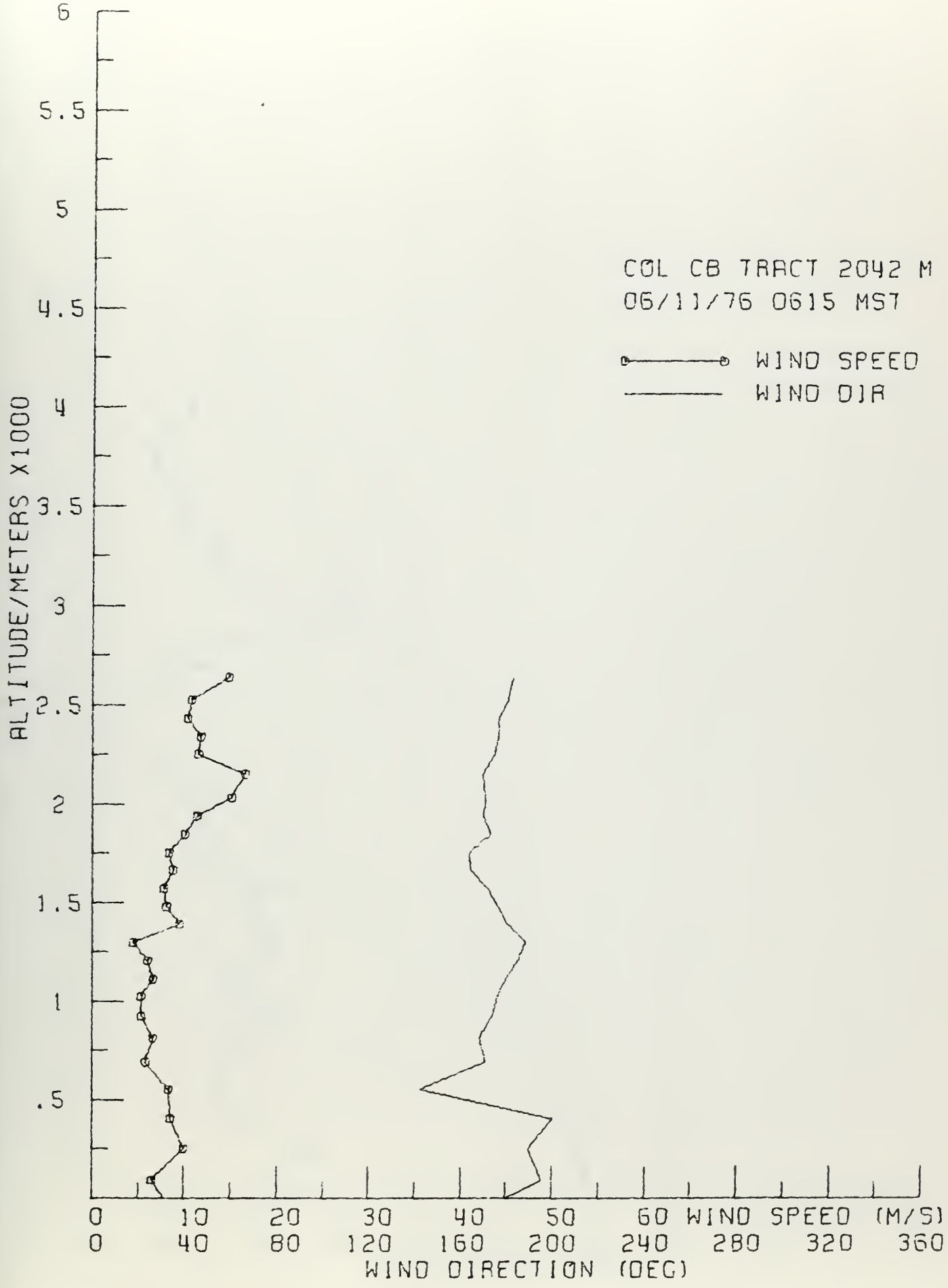

COL CB TRACT 2042 M
06/09/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

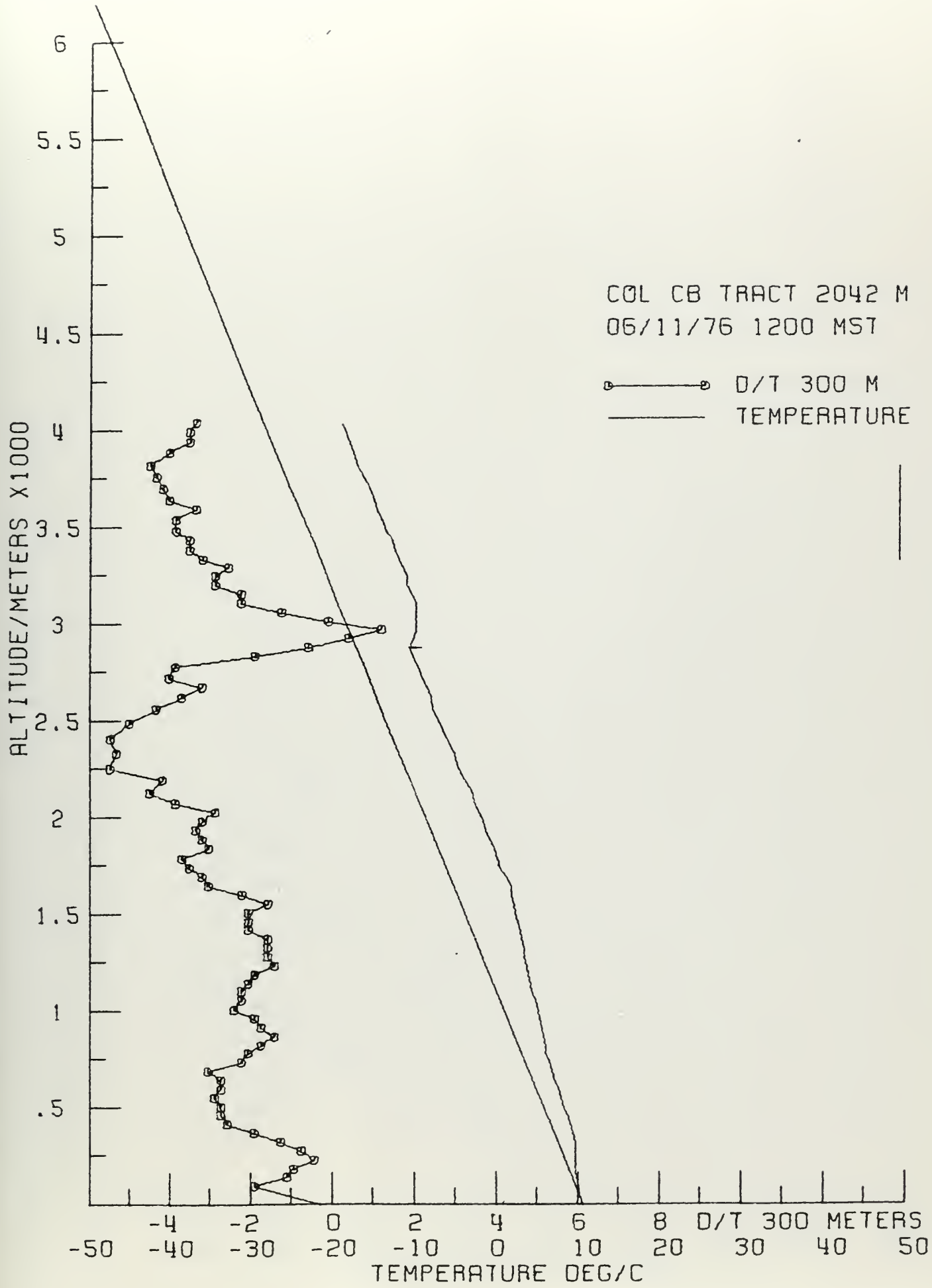

COL CB TRACT 2042 M
06/09/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

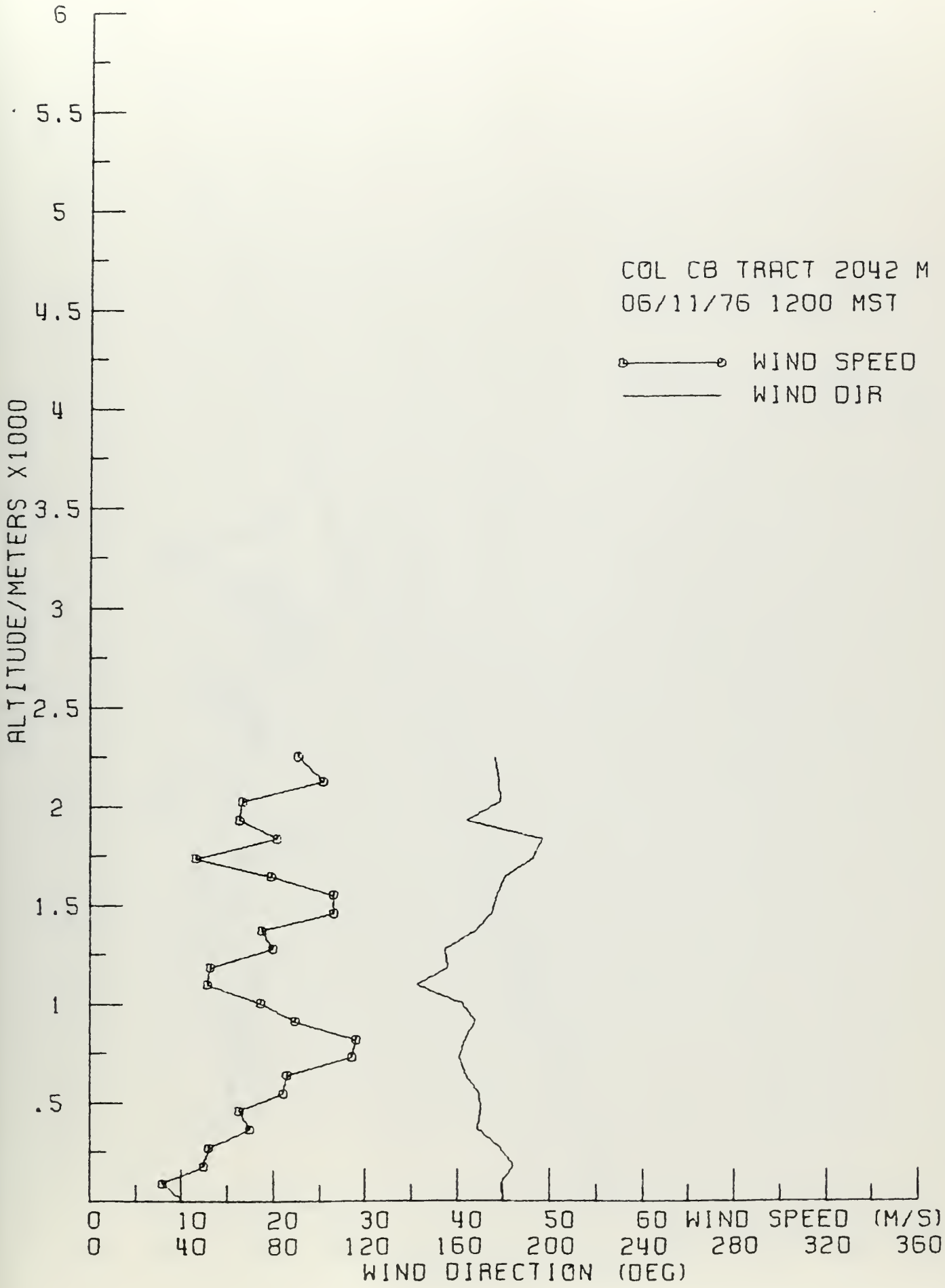

COL CB TRACT 2042 M
06/09/76 1230 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

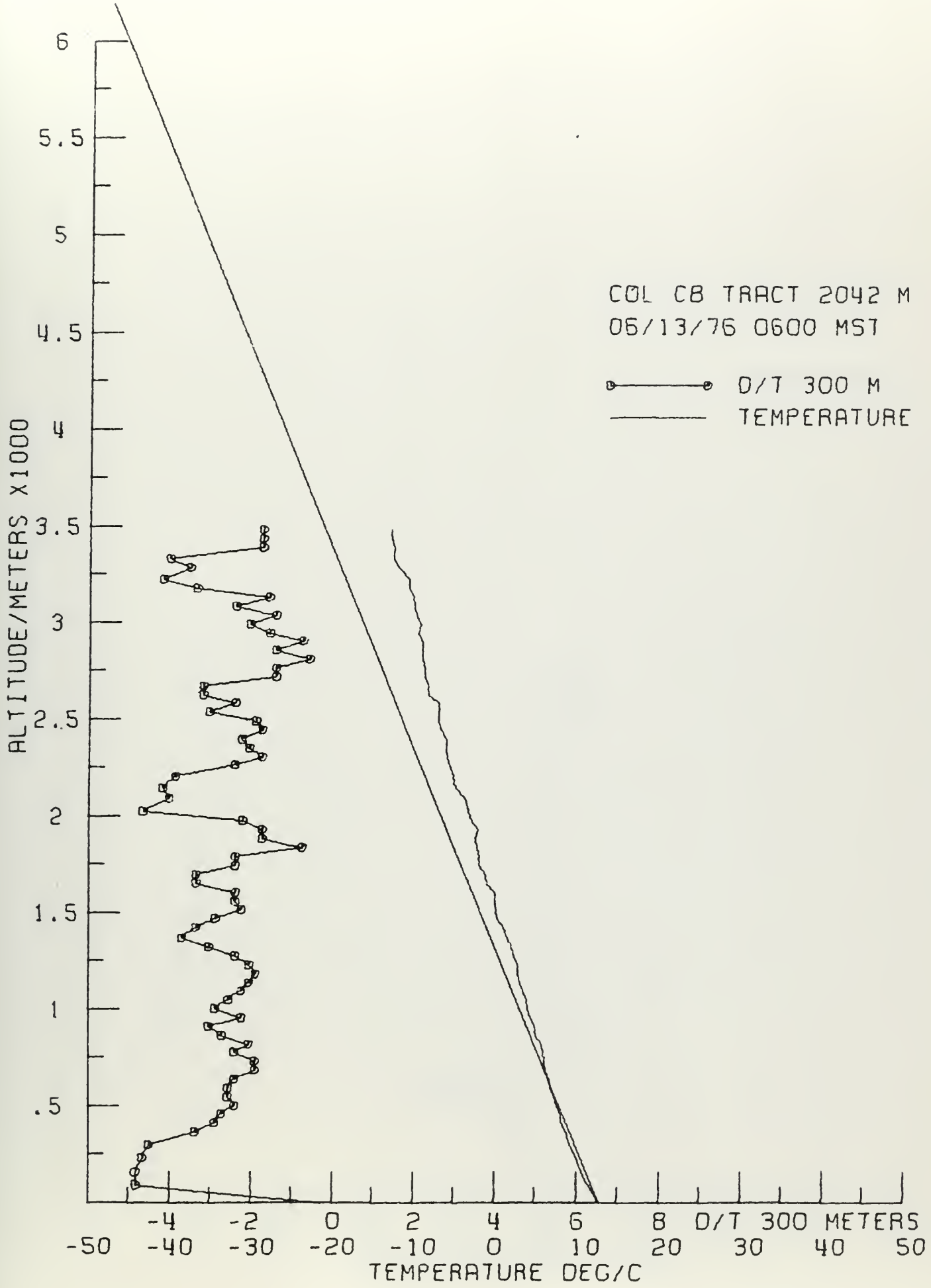

COL CB TRACT 2042 M
06/09/76 1230 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

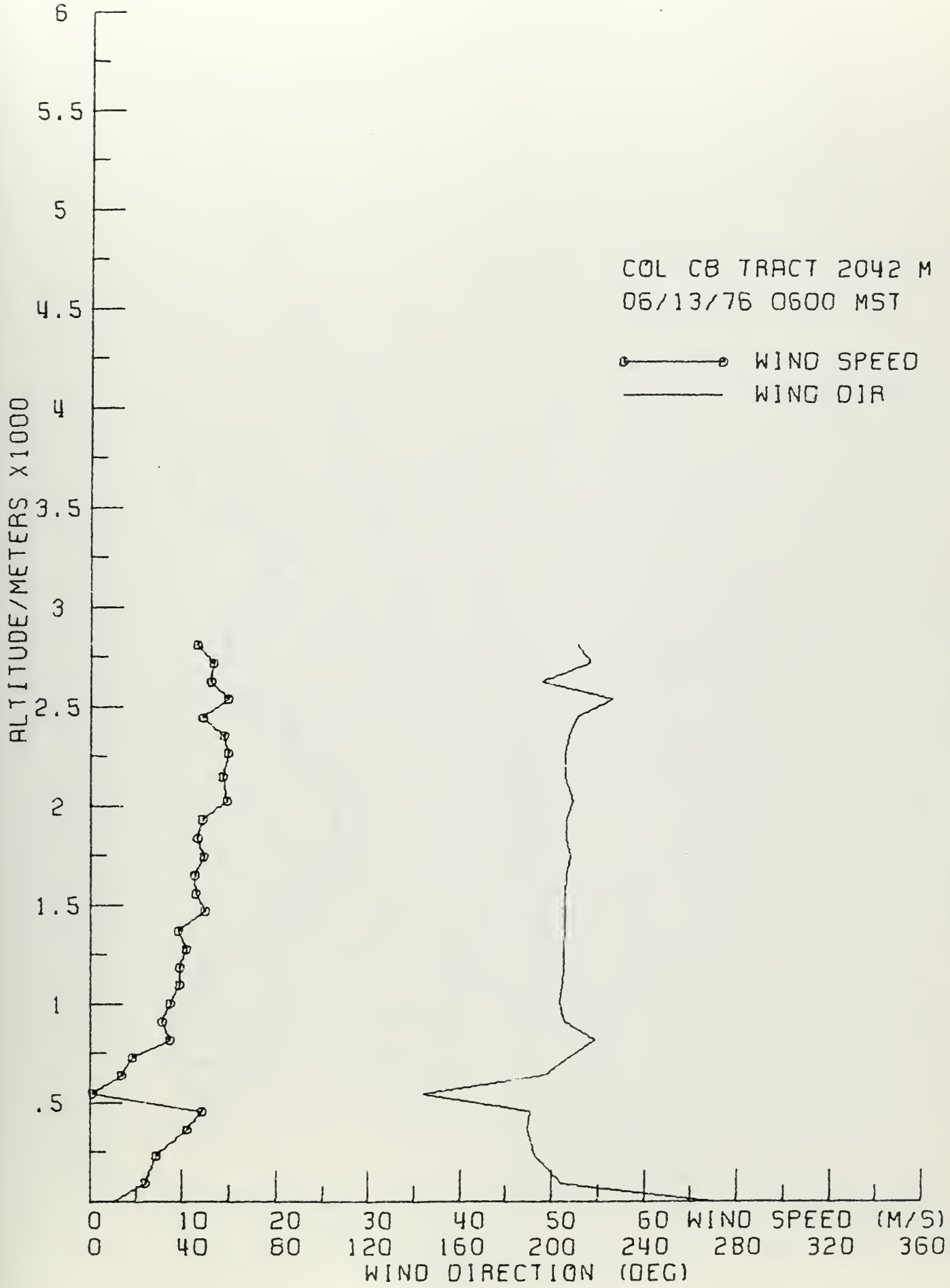

COL CB TRACT 2042 M
06/11/76 0615 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

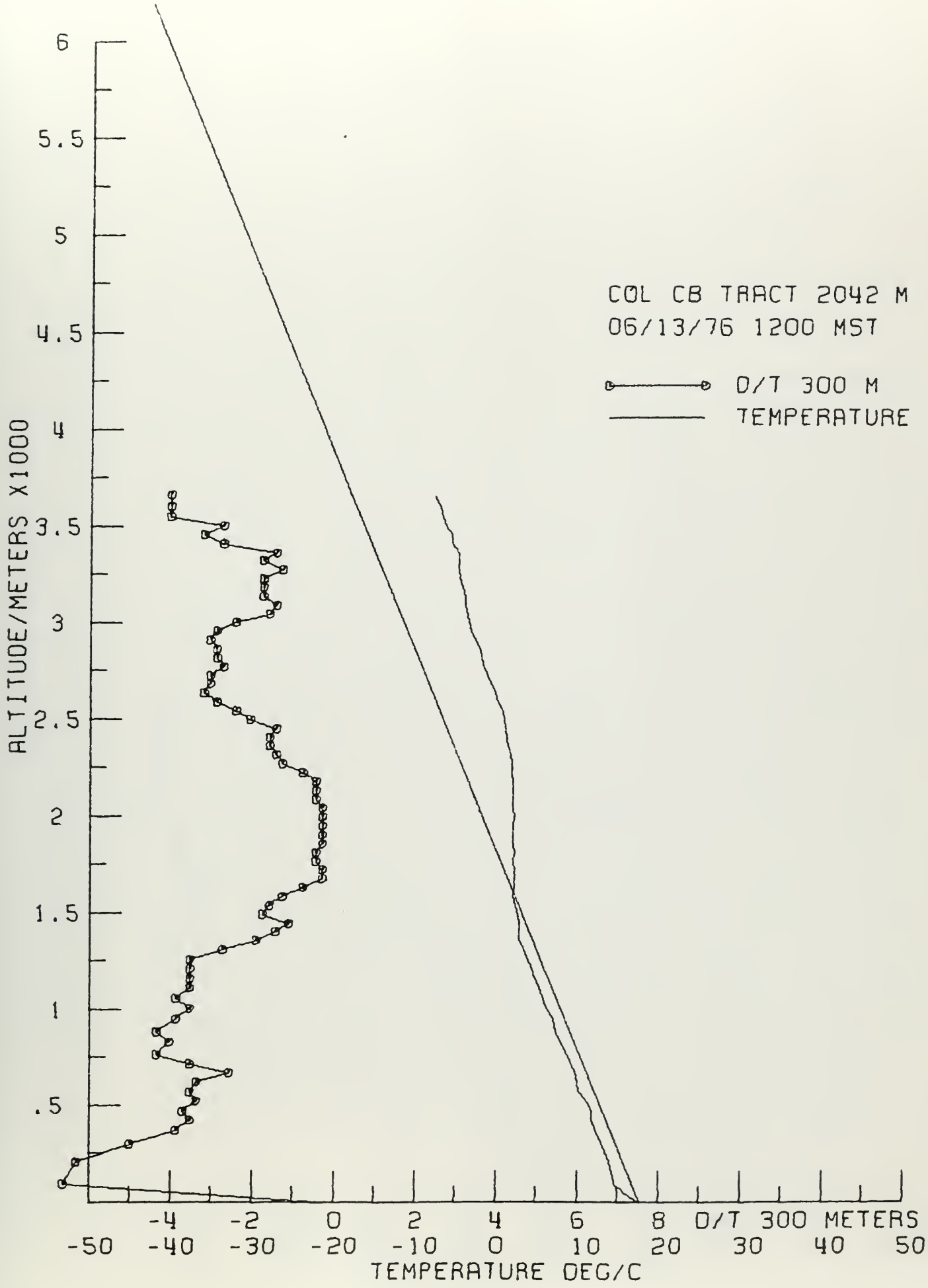

COL CB TRACT 2042 M
06/11/76 0615 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

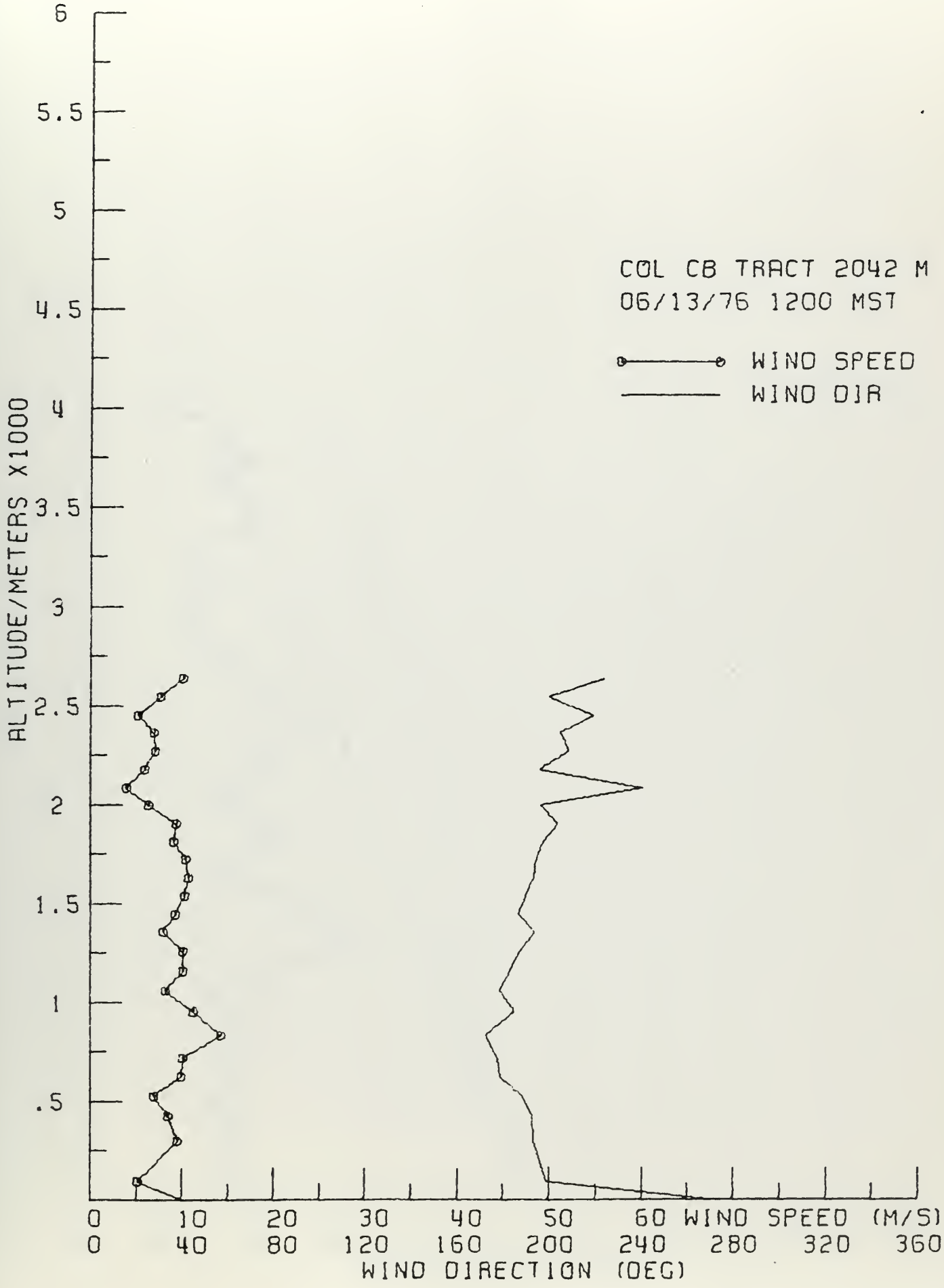

COL CB TRACT 2042 M
06/11/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

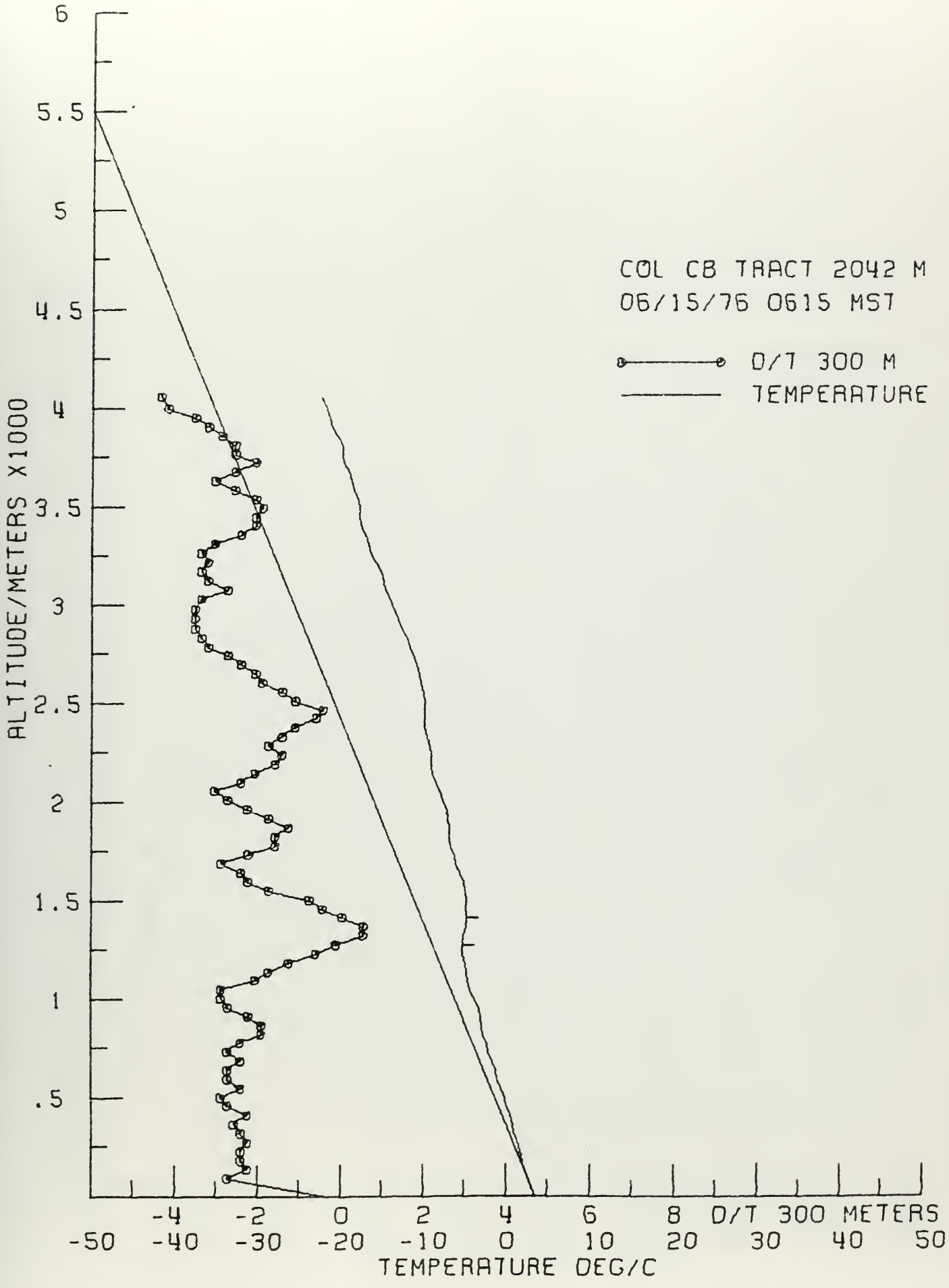

COL CB TRACT 2042 M
06/11/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

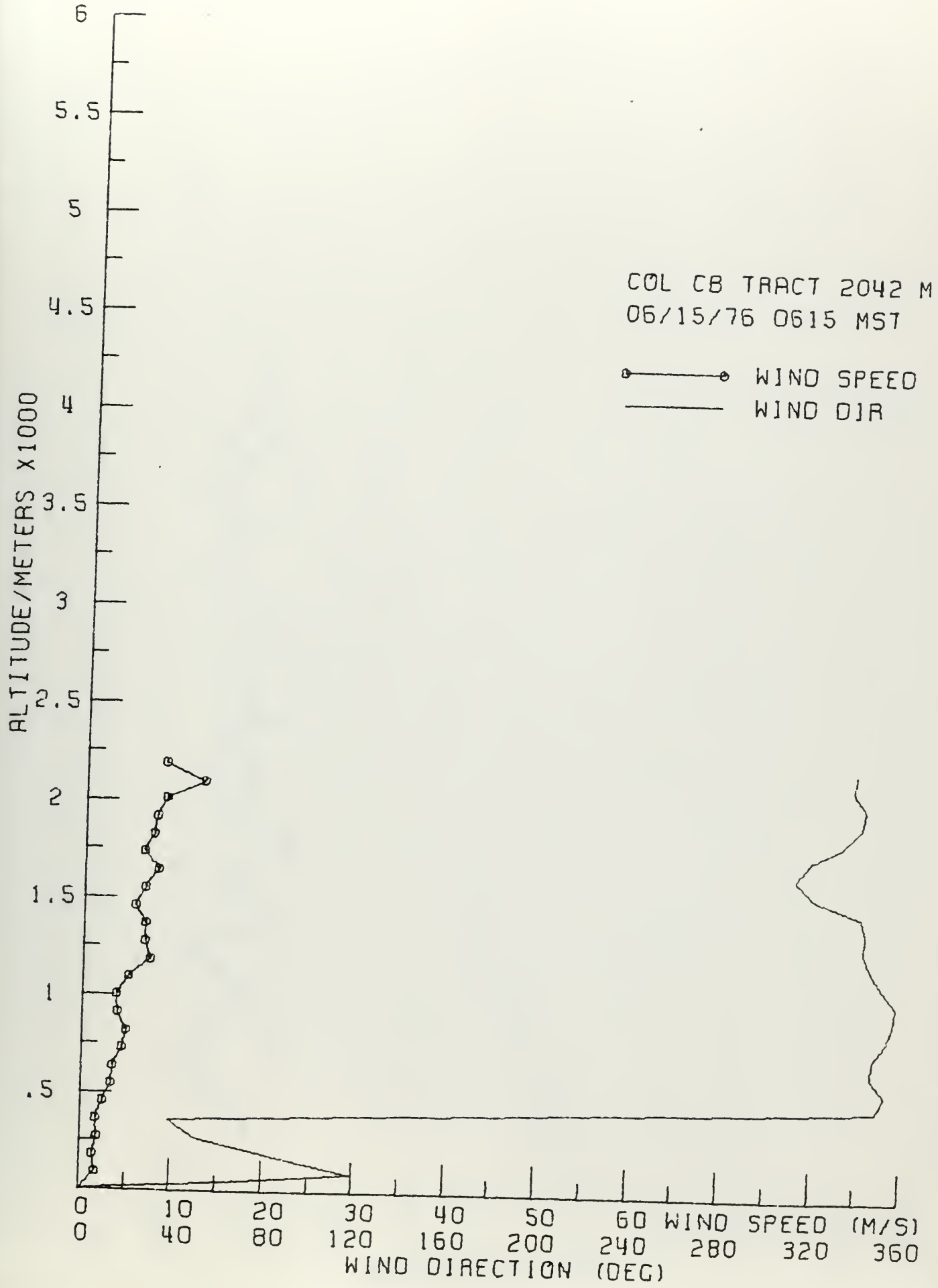

COL CB TRACT 2042 M
06/13/76 0600 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

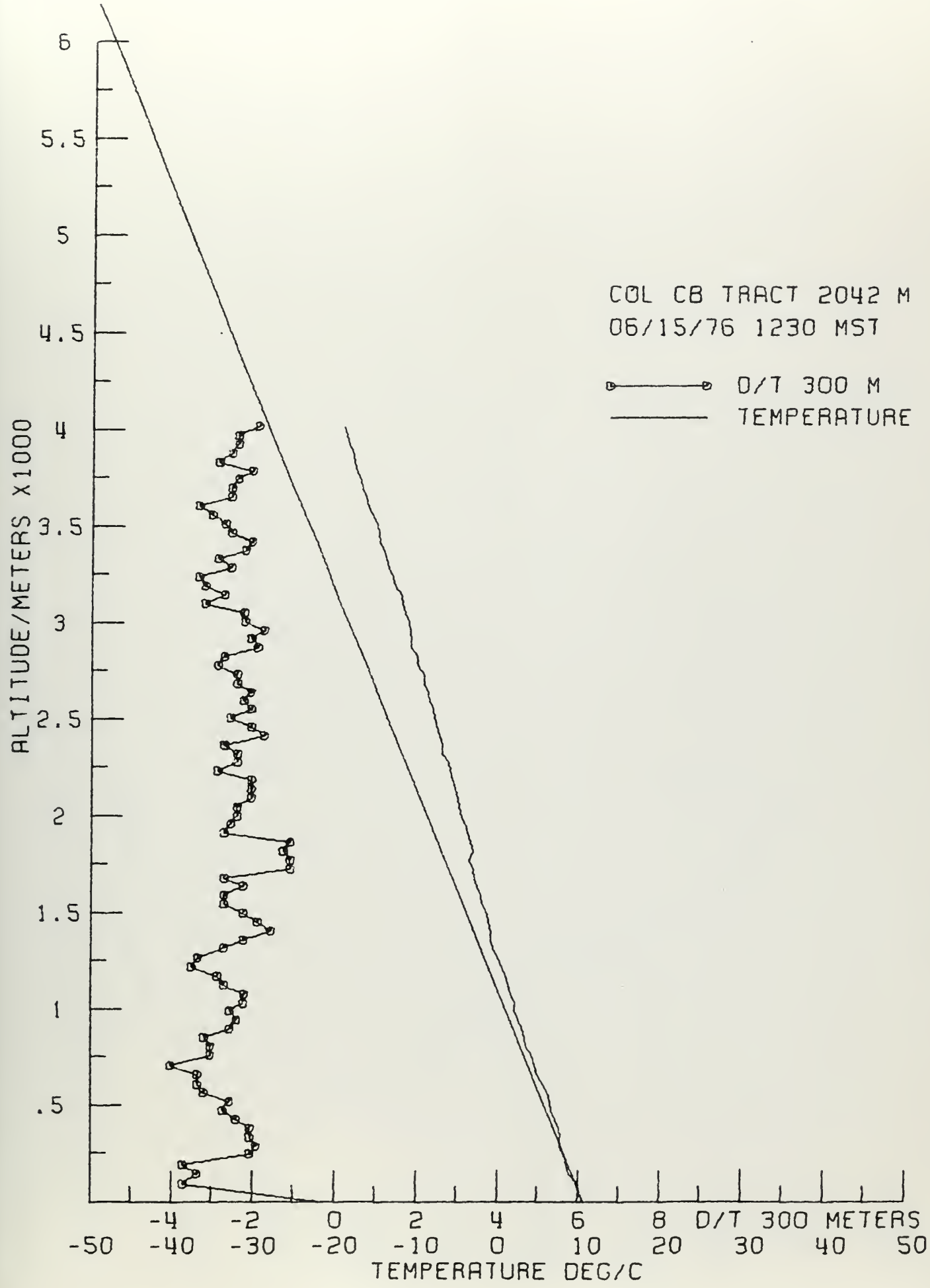

COL CB TRACT 2042 M
06/13/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

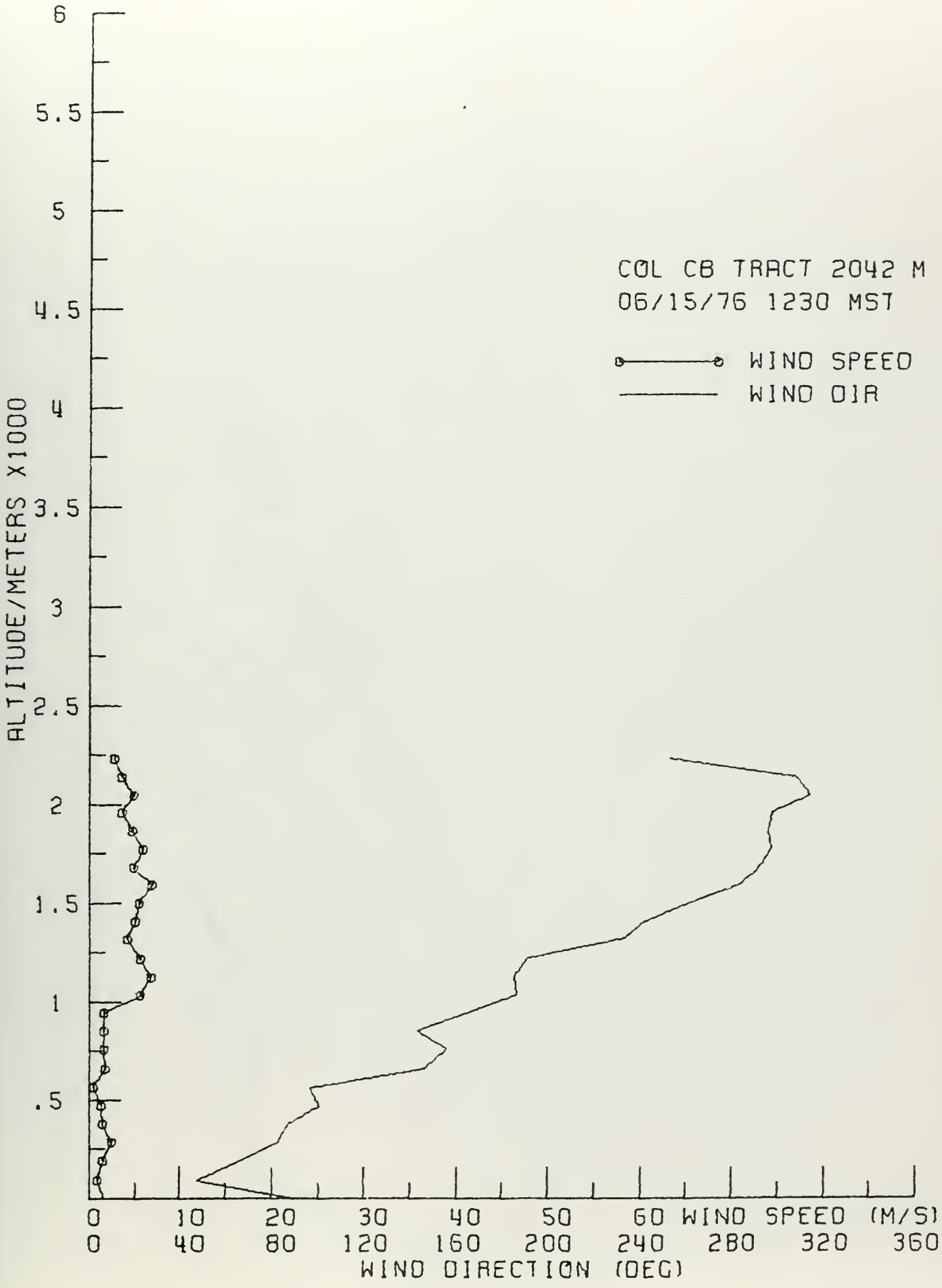

COL CB TRACT 2042 M
06/13/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

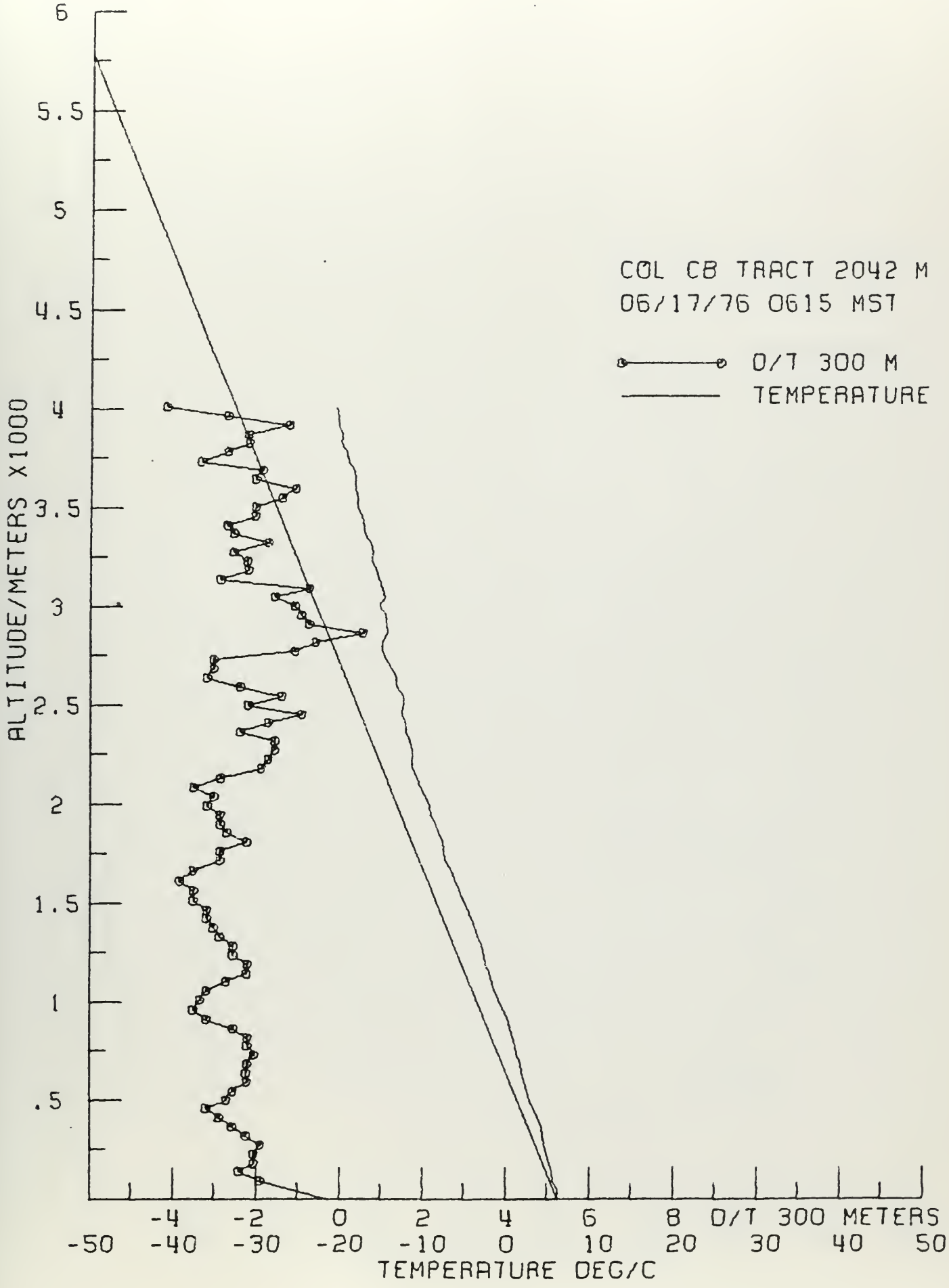

COL CB TRACT 2042 M
06/13/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

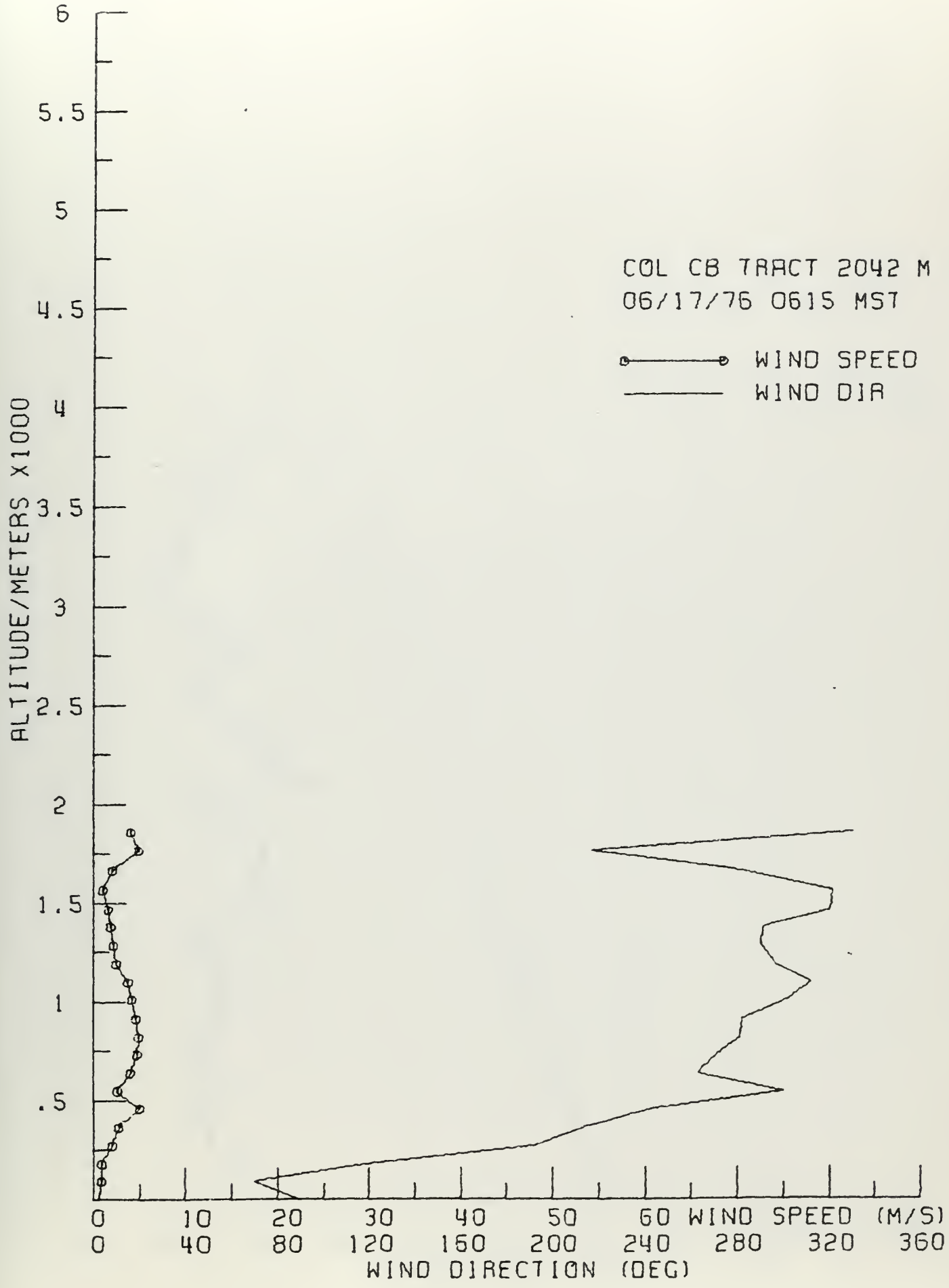

COL CB TRACT 2042 M
06/15/76 0615 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

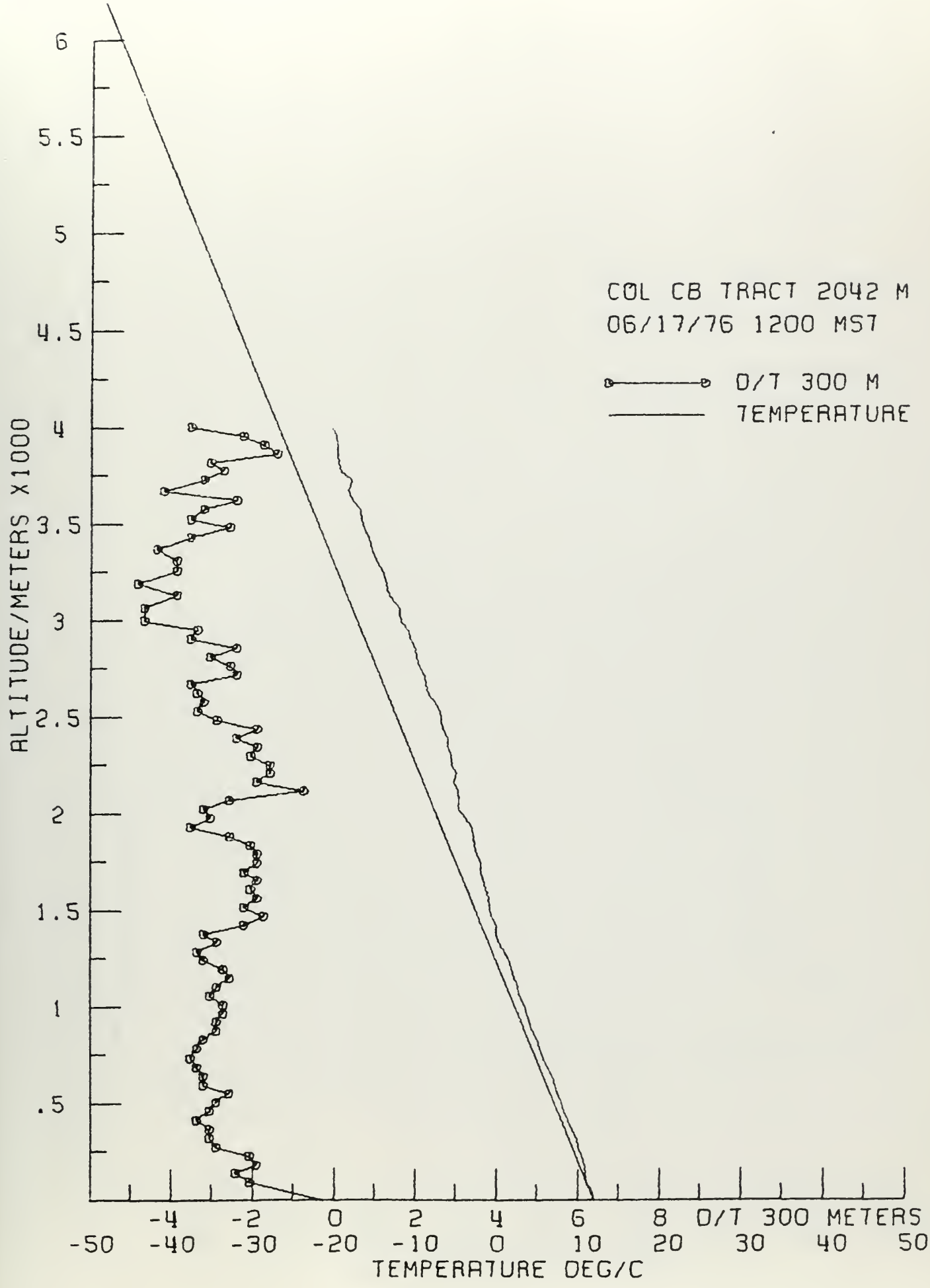

COL CB TRACT 2042 M
06/15/76 0615 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

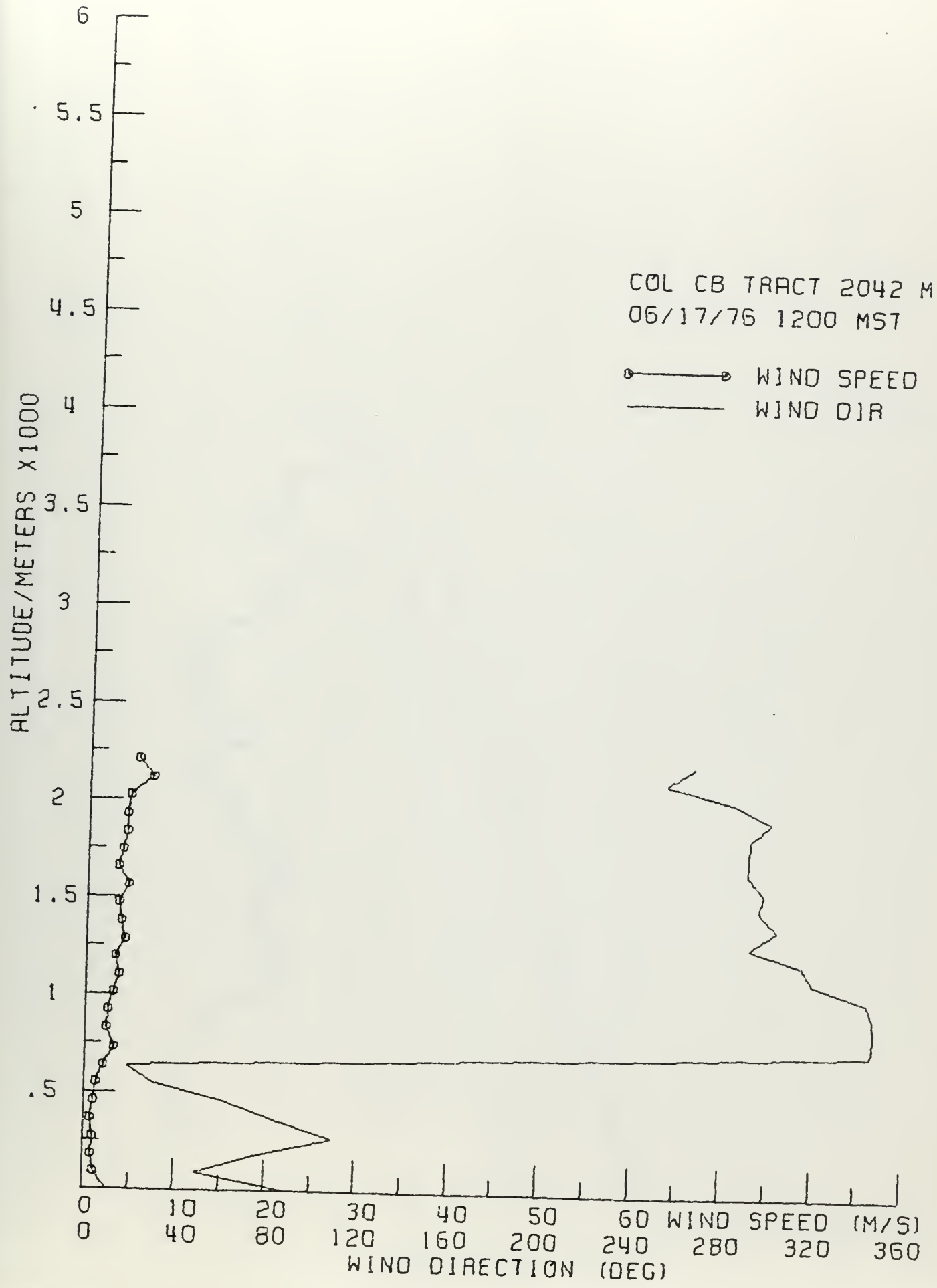

COL CB TRACT 2042 M
06/15/76 1230 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

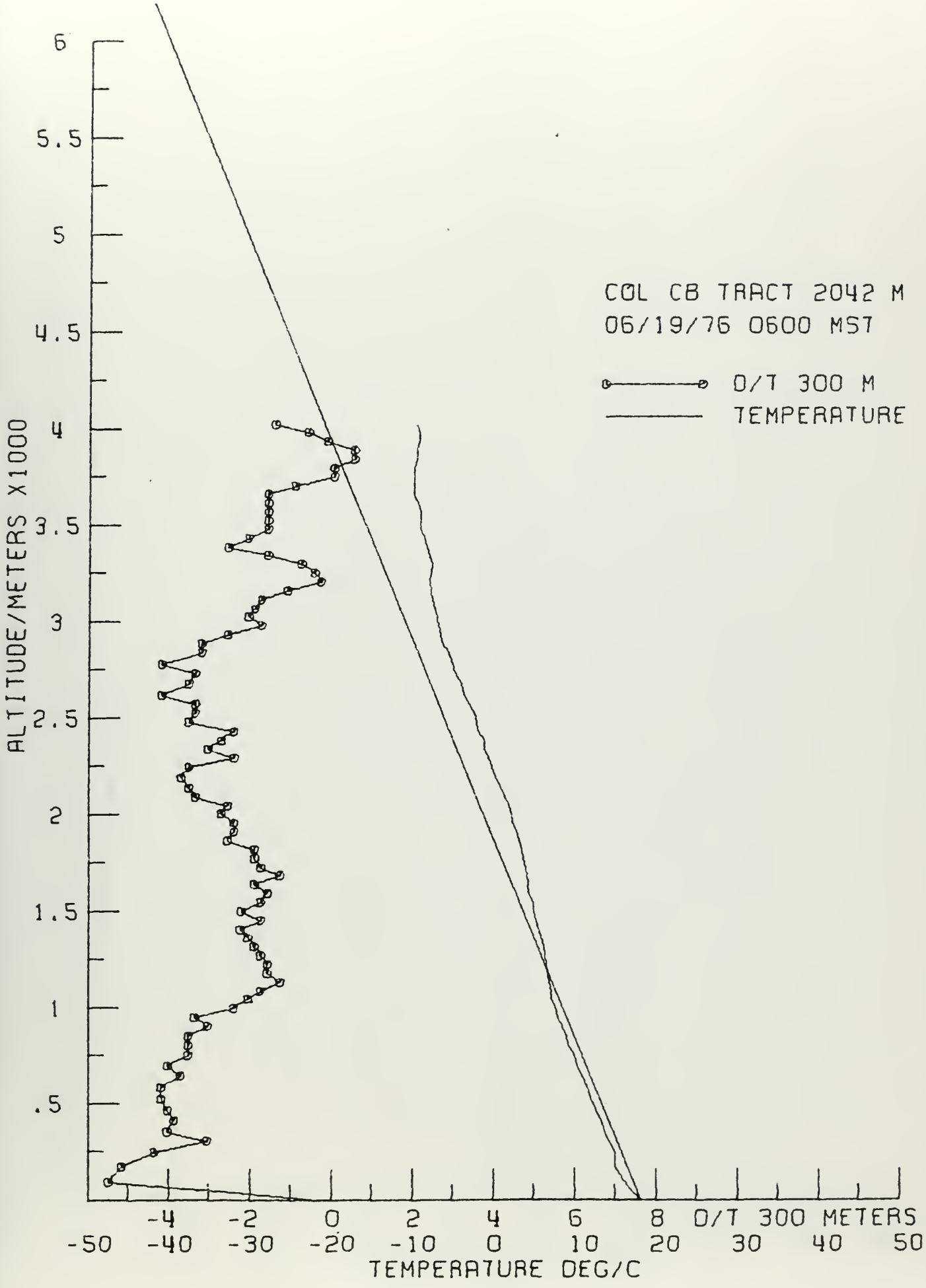

COL CB TRACT 2042 M
06/15/76 1230 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

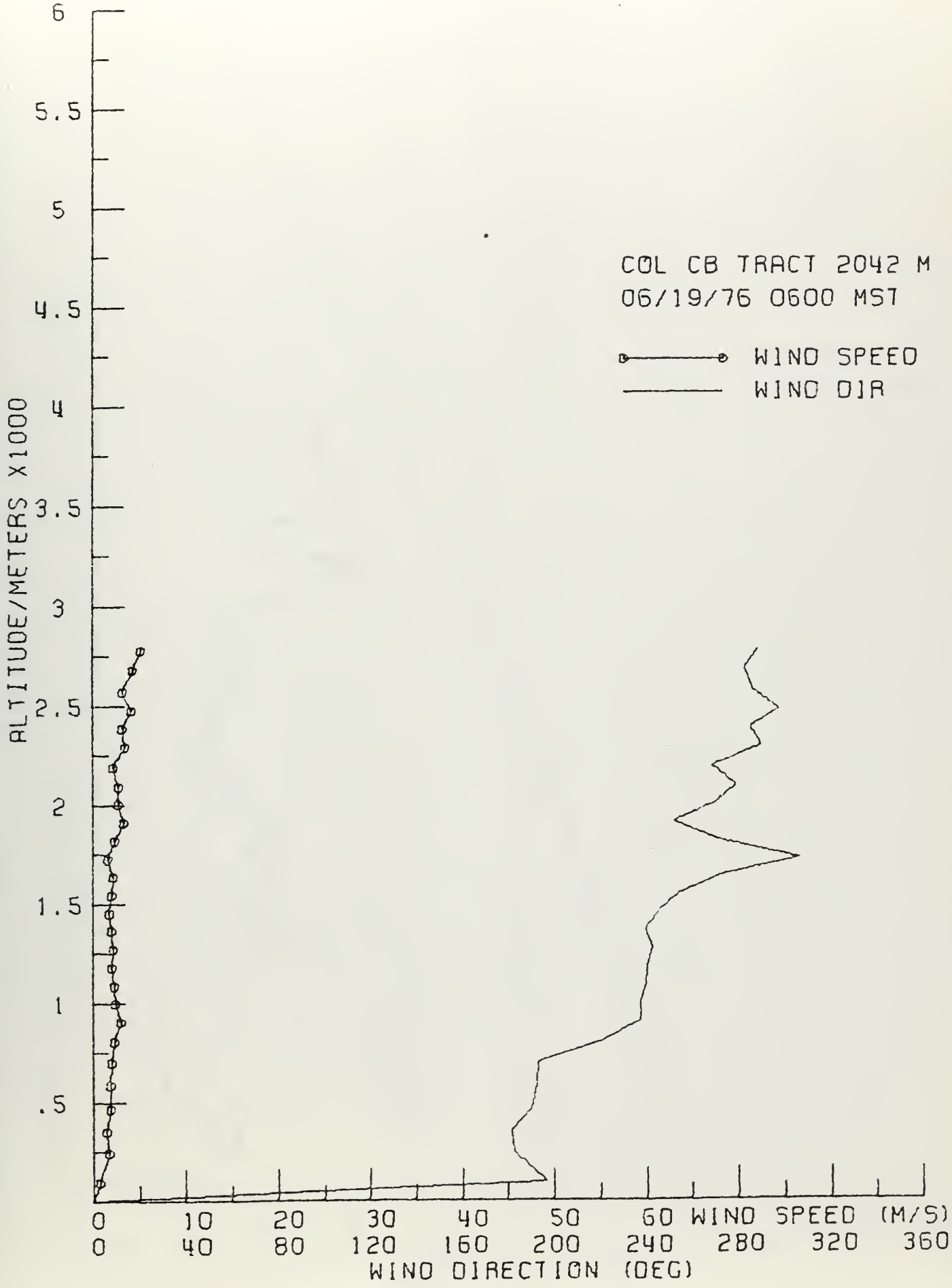

COL CB TRACT 2042 M
06/17/76 0615 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

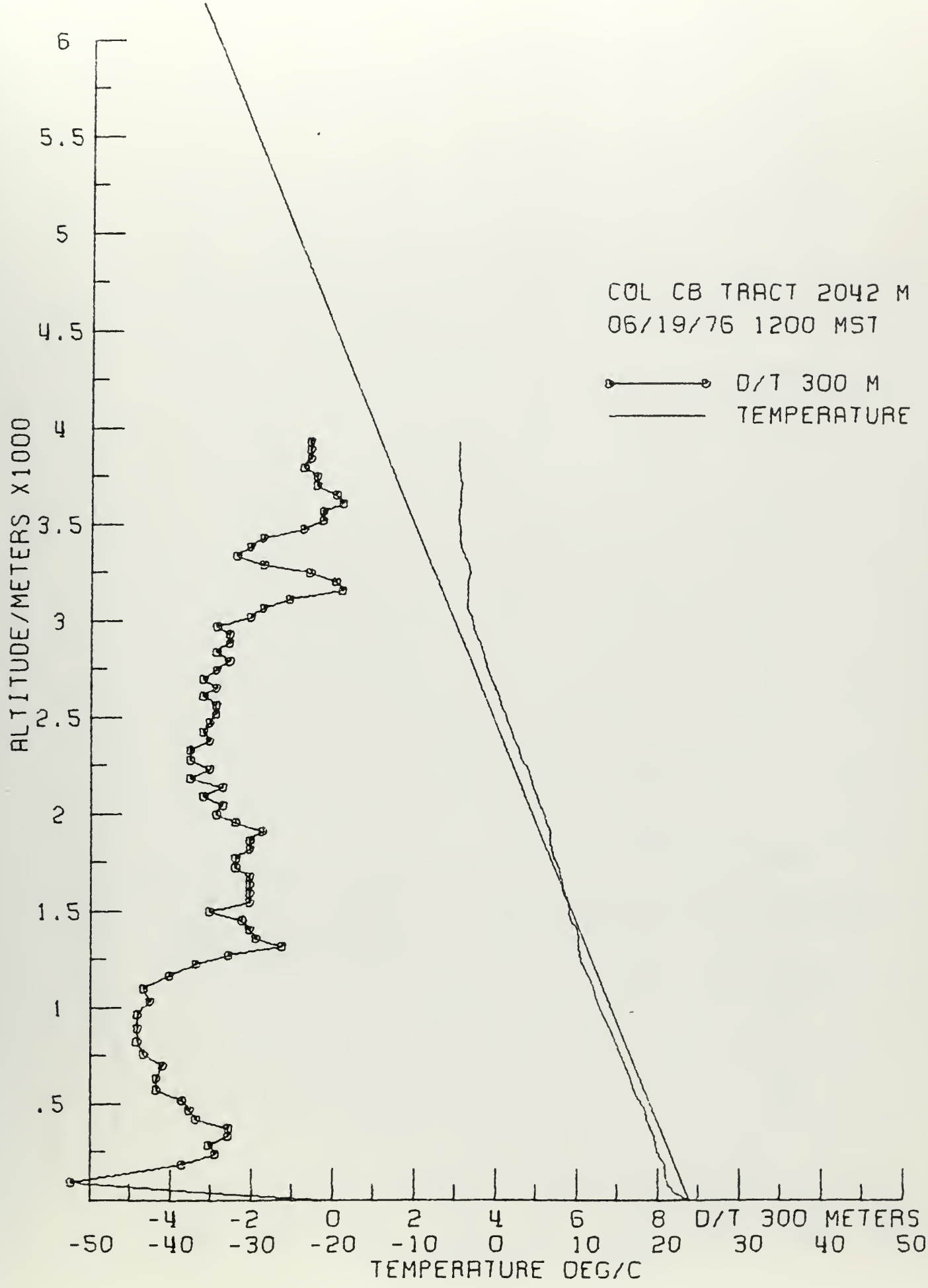

COL CB TRACT 2042 M
06/17/76 0615 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

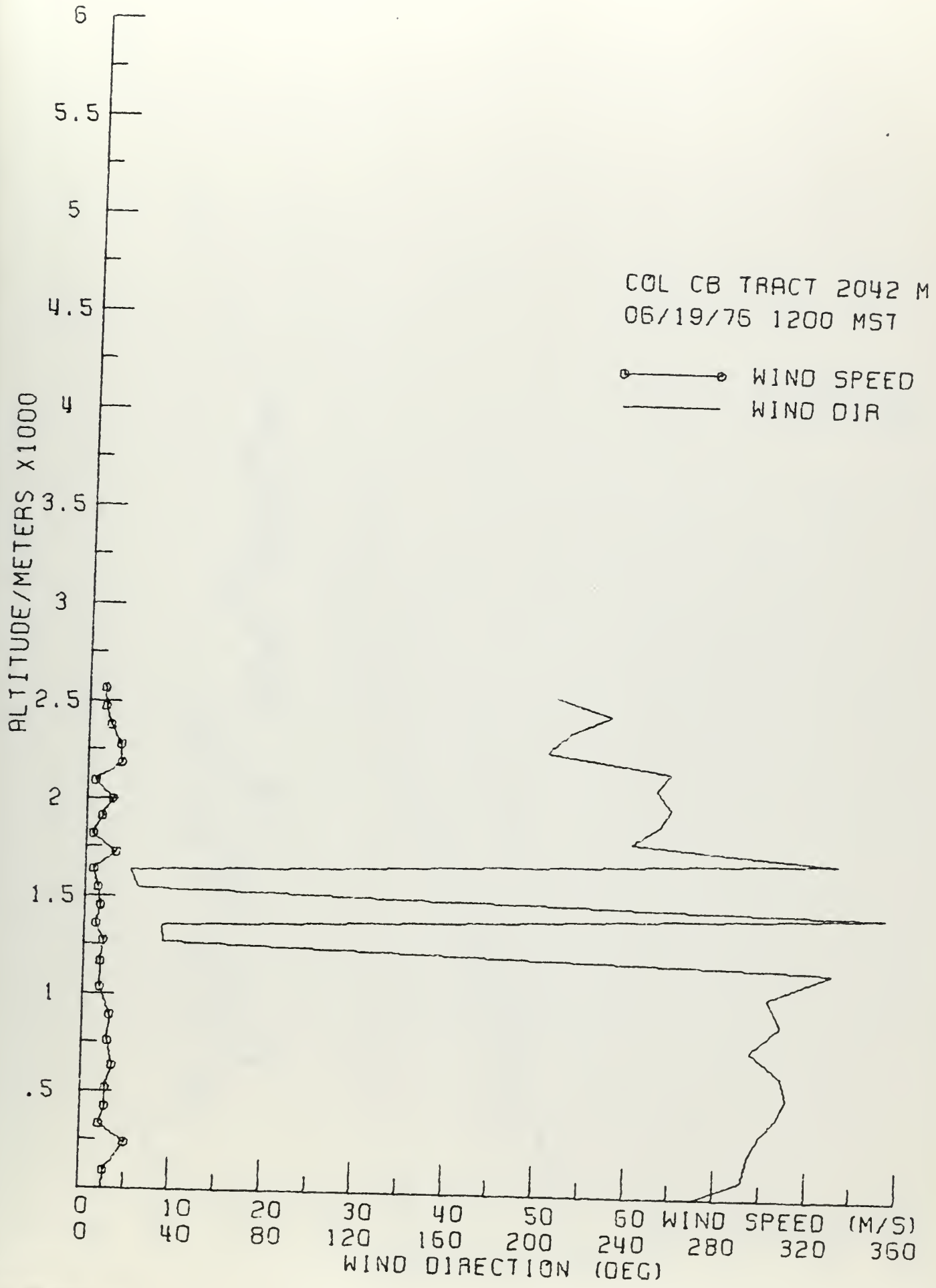

COL CB TRACT 2042 M
06/17/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

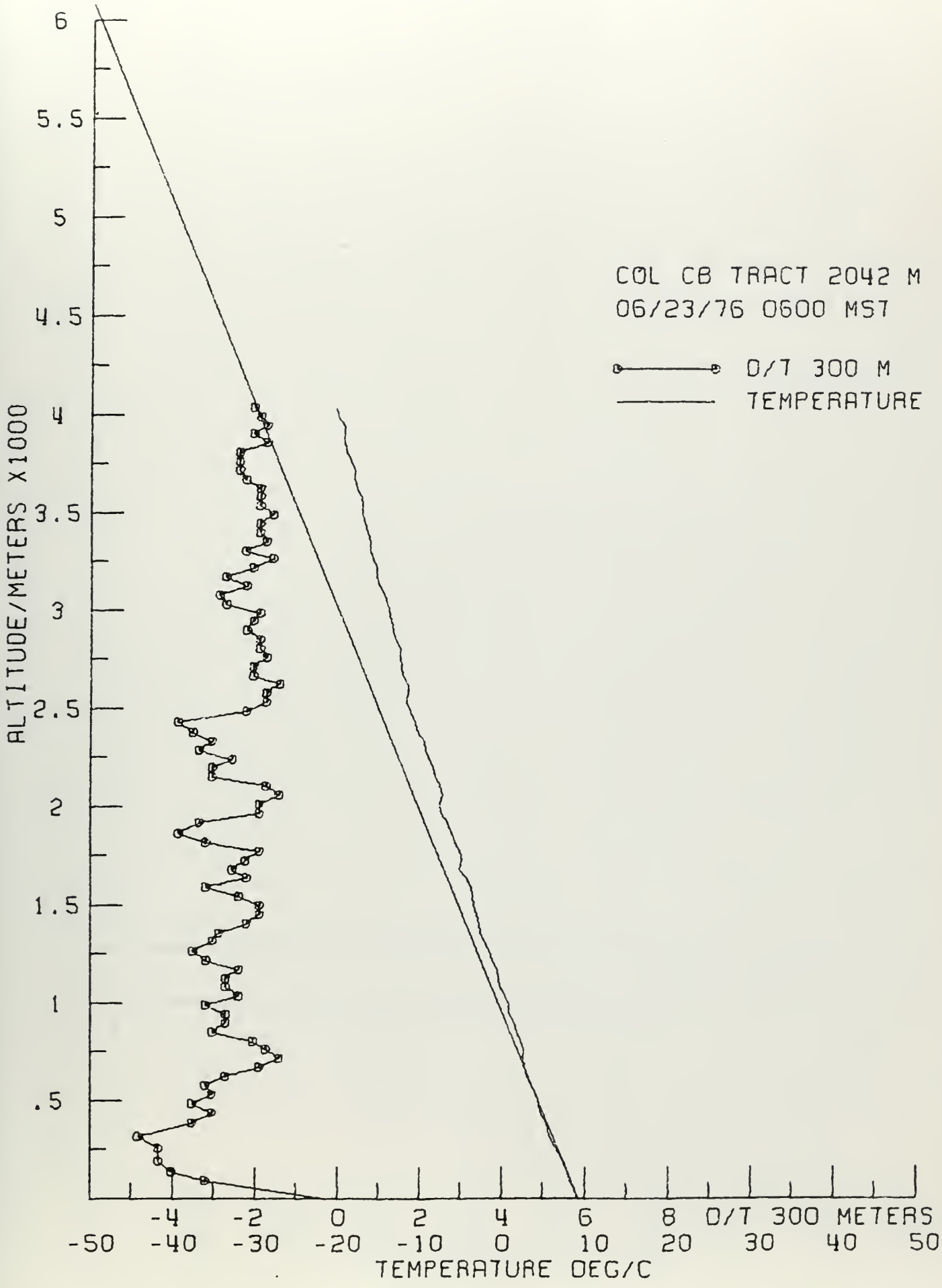

COL CB TRACT 2042 M
06/17/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

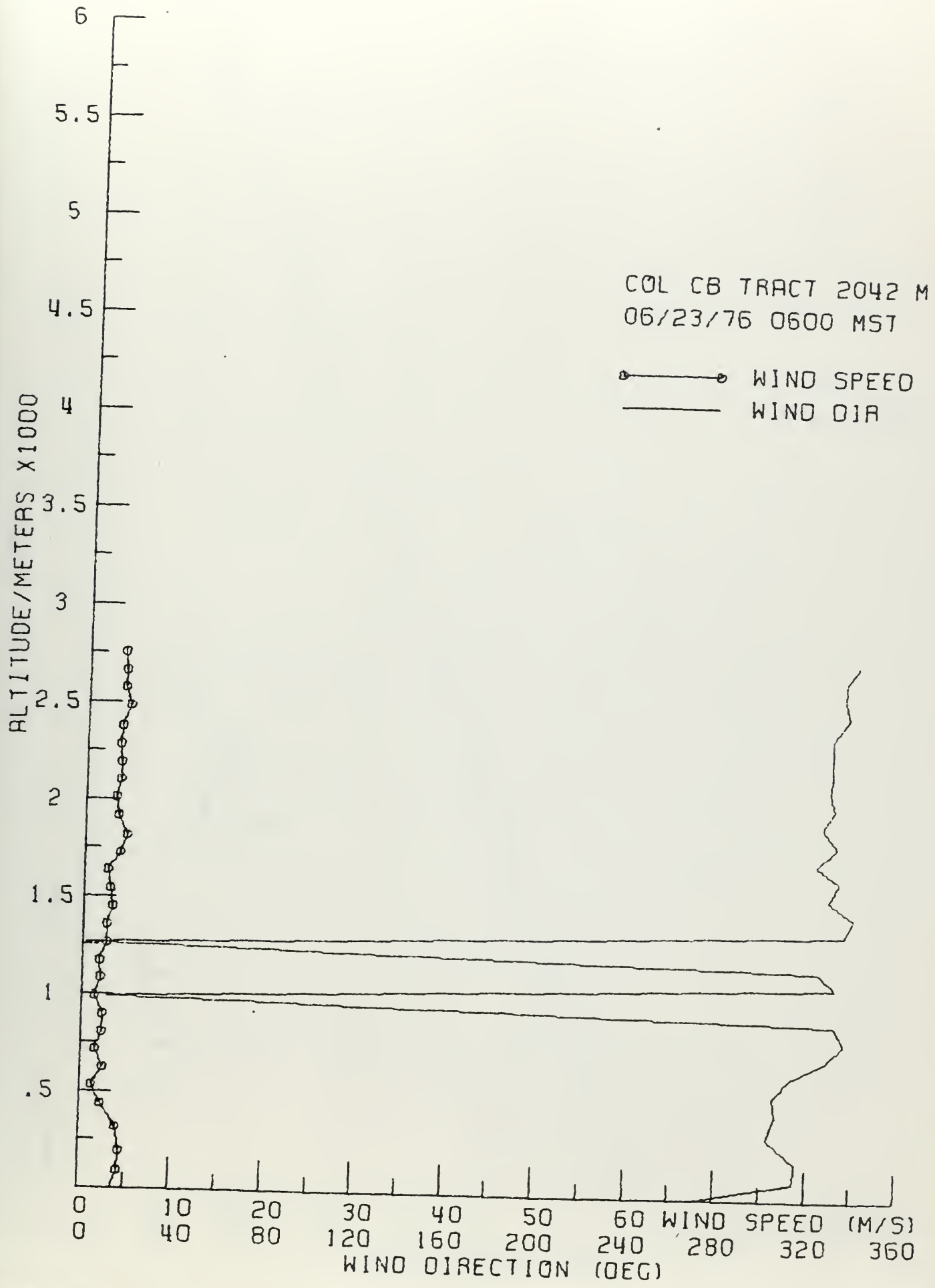

COL CB TRACT 2042 M
06/19/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

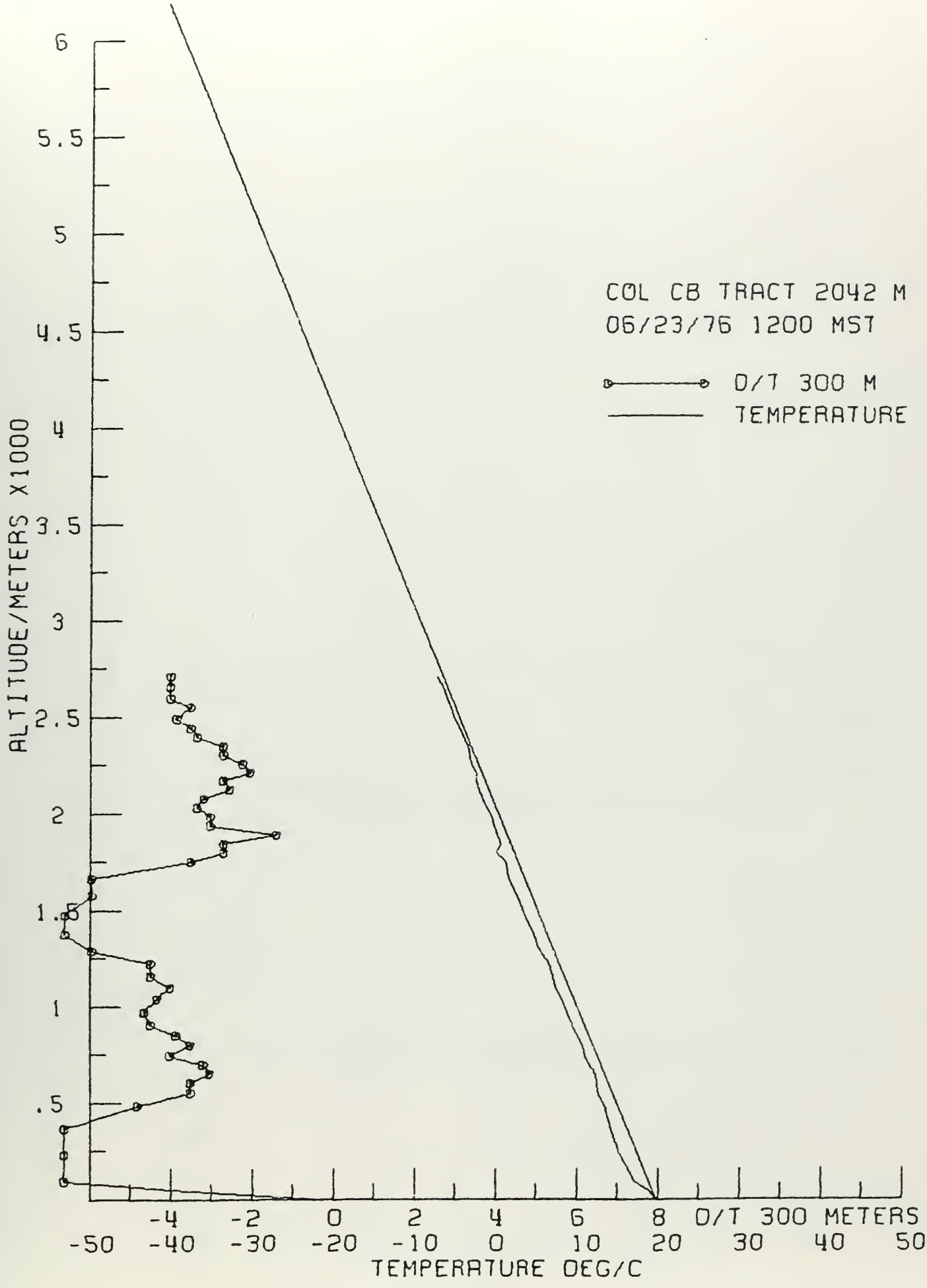

COL CB TRACT 2042 M
06/19/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

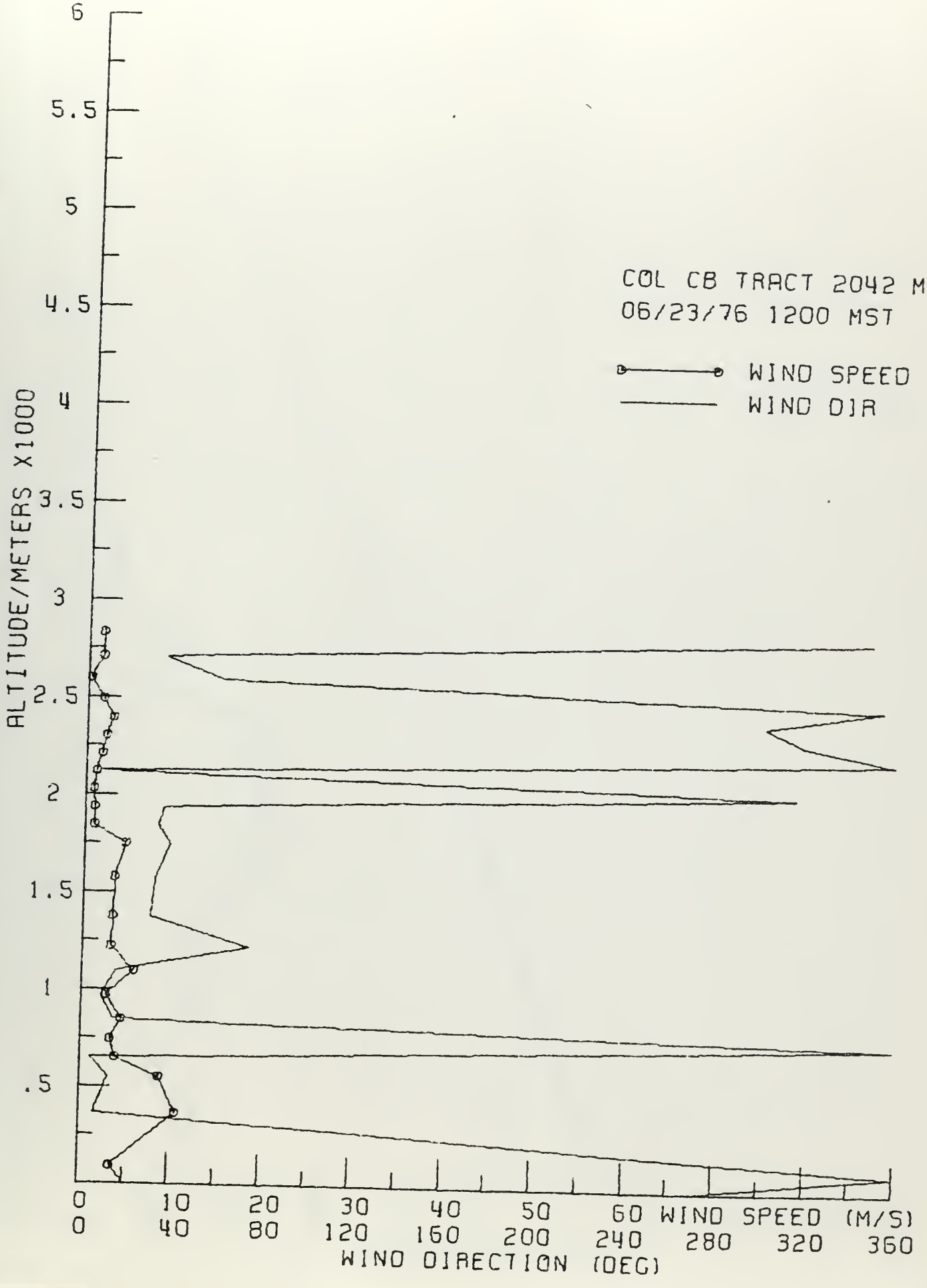

COL CB TRACT 2042 M
06/19/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

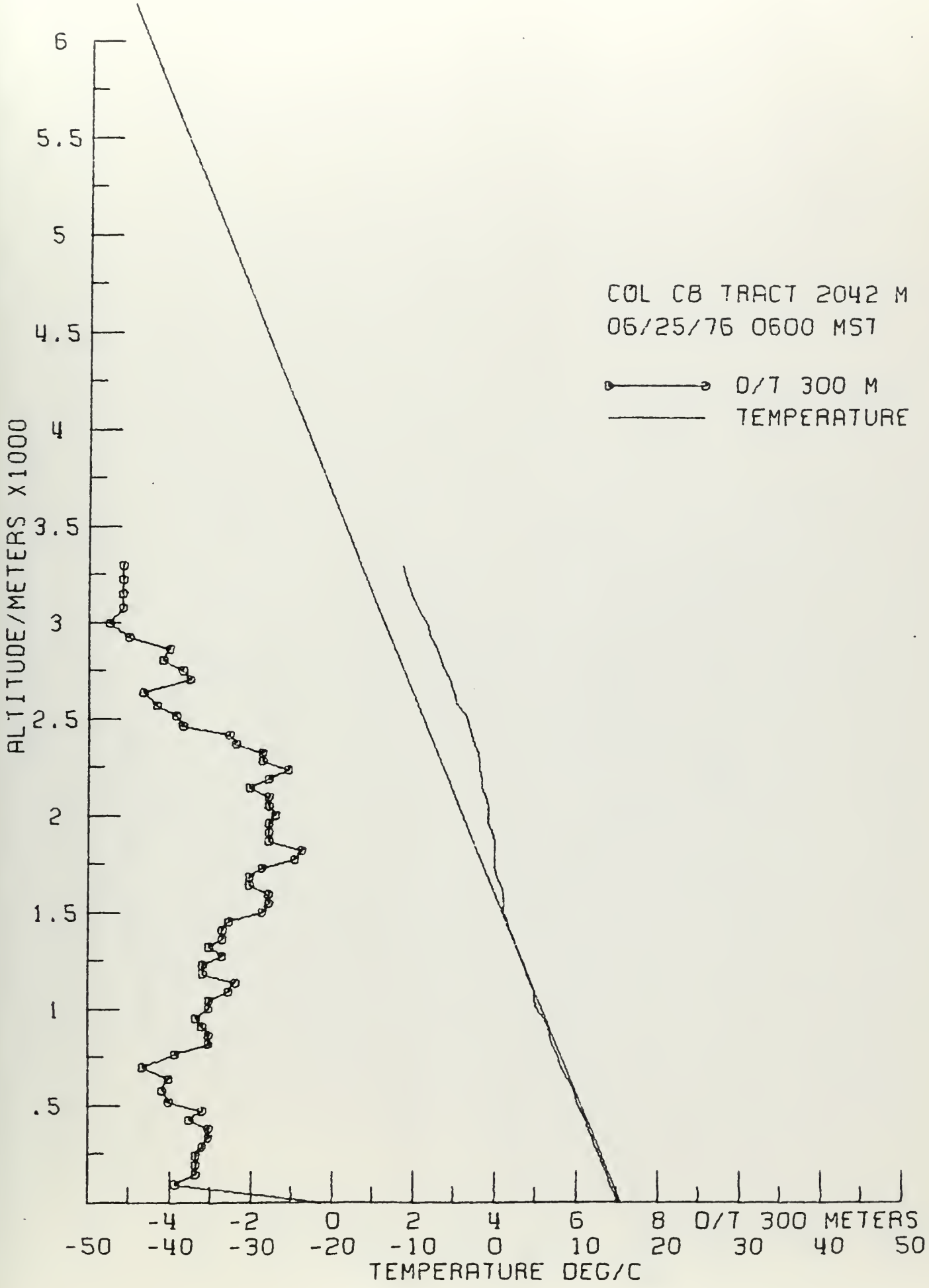

COL CB TRACT 2042 M
06/19/75 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

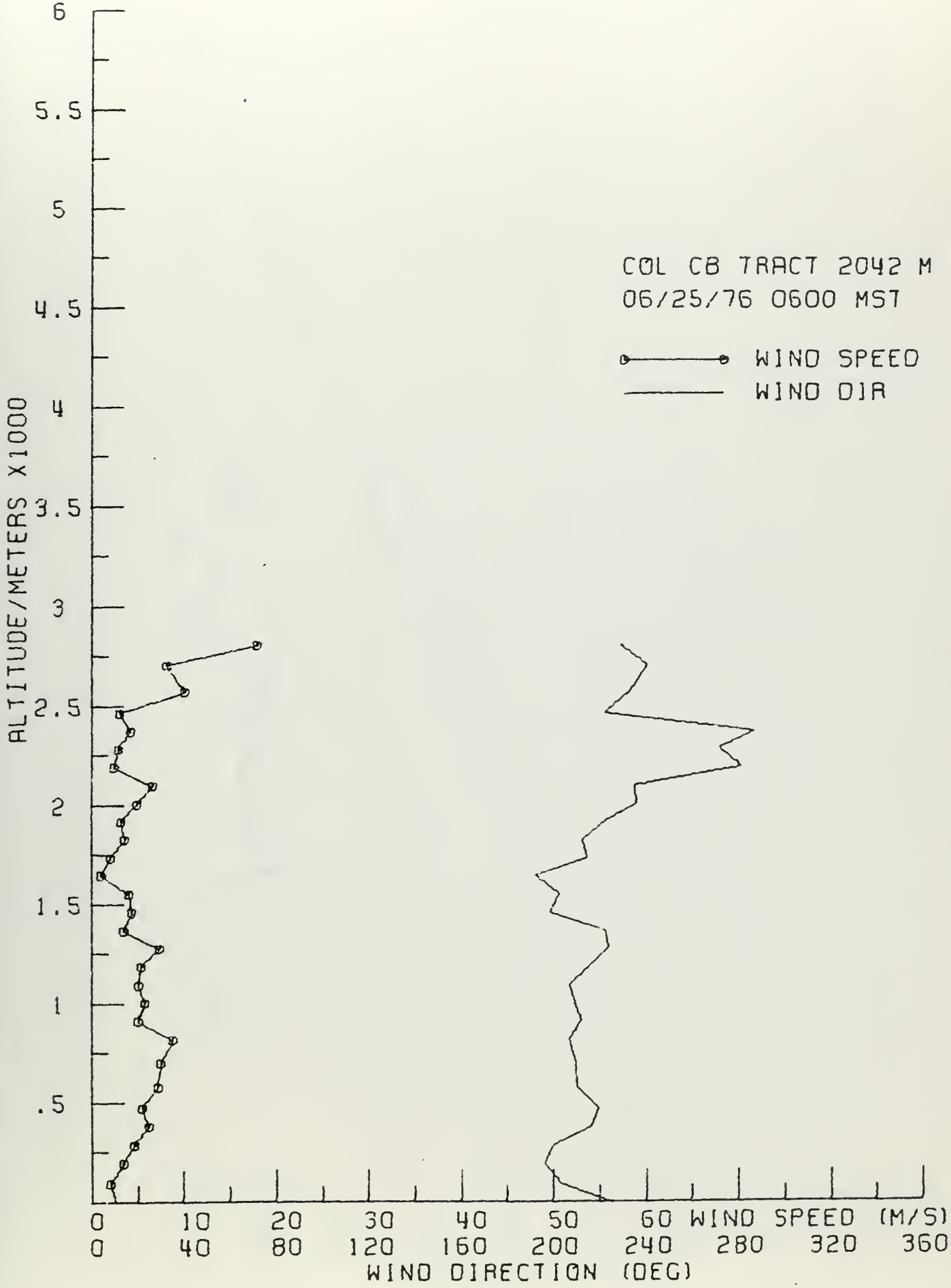

COL CB TRACT 2042 M
06/23/76 0600 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

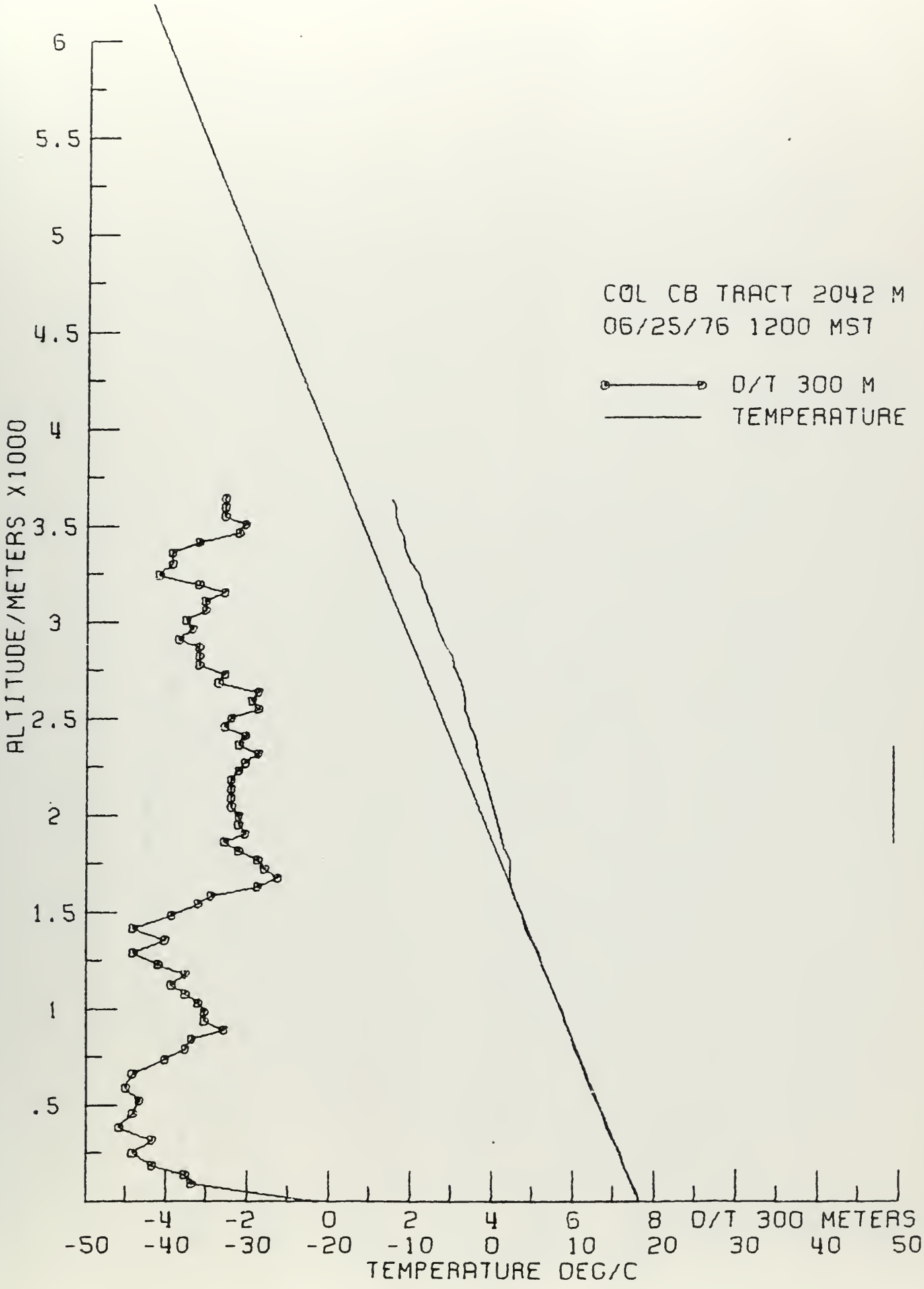

COL CB TRACT 2042 M
06/23/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

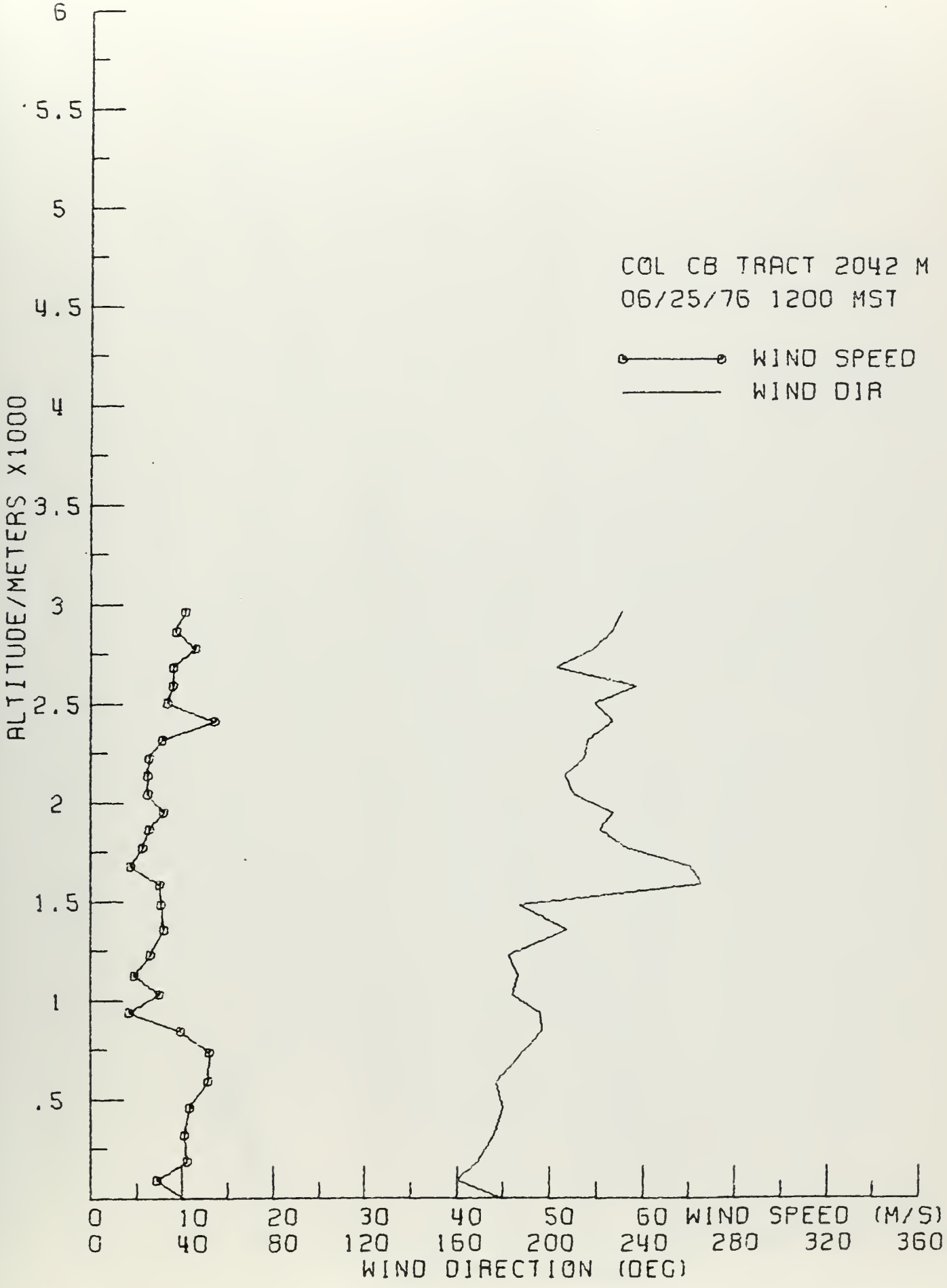

COL CB TRACT 2042 M
06/23/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

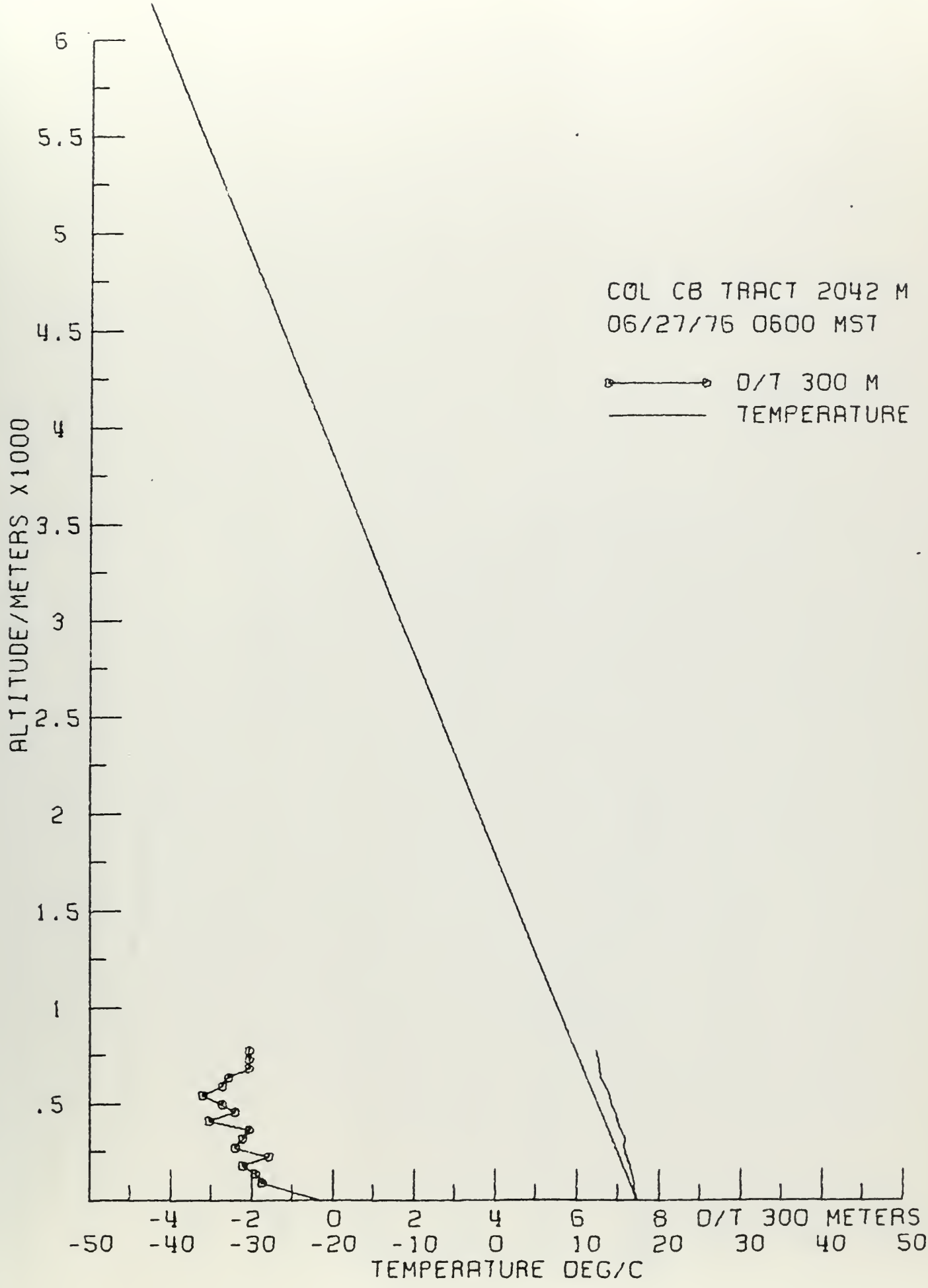

COL CB TRACT 2042 M
06/23/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

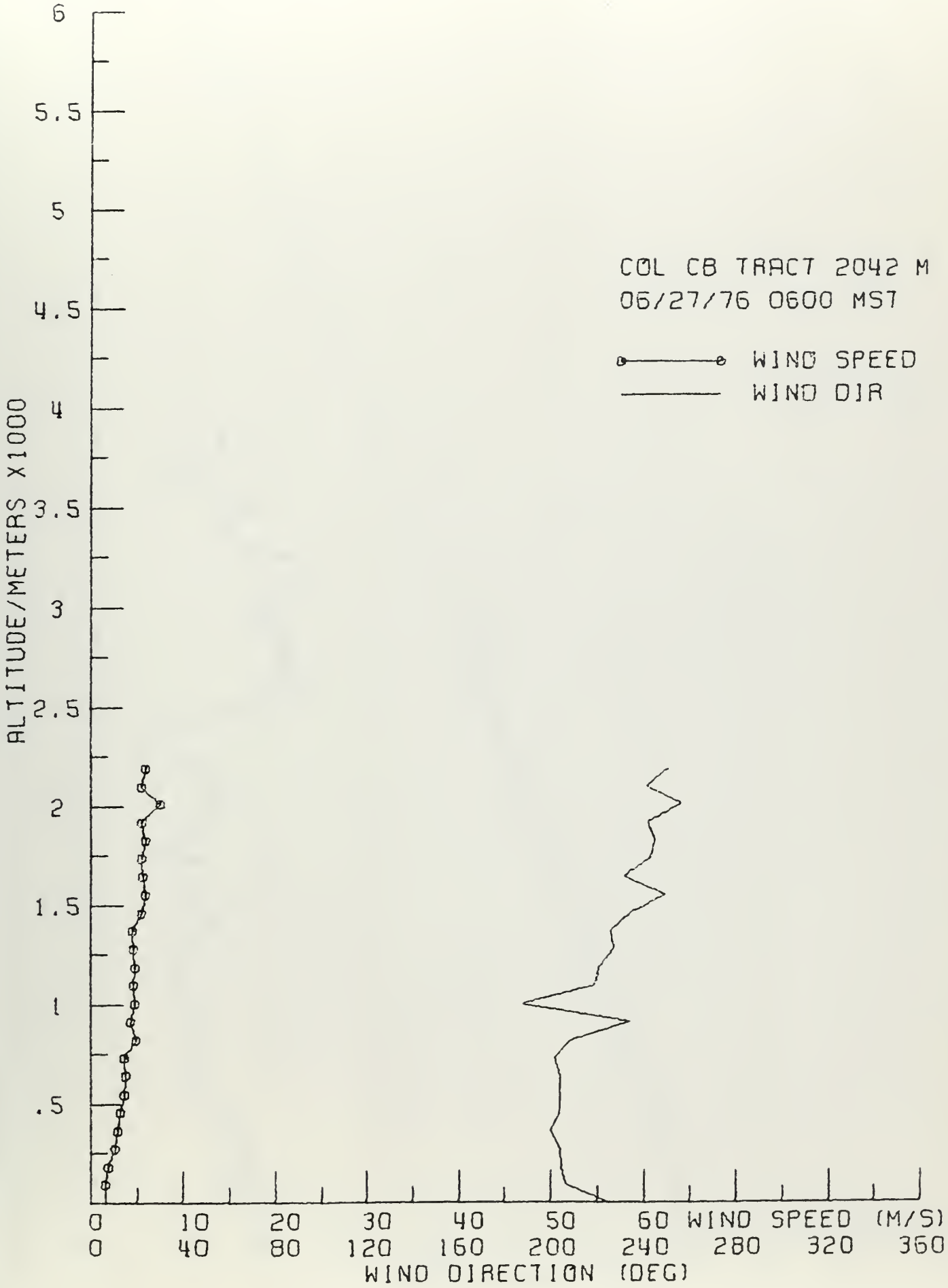

COL CB TRACT 2042 M
06/25/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

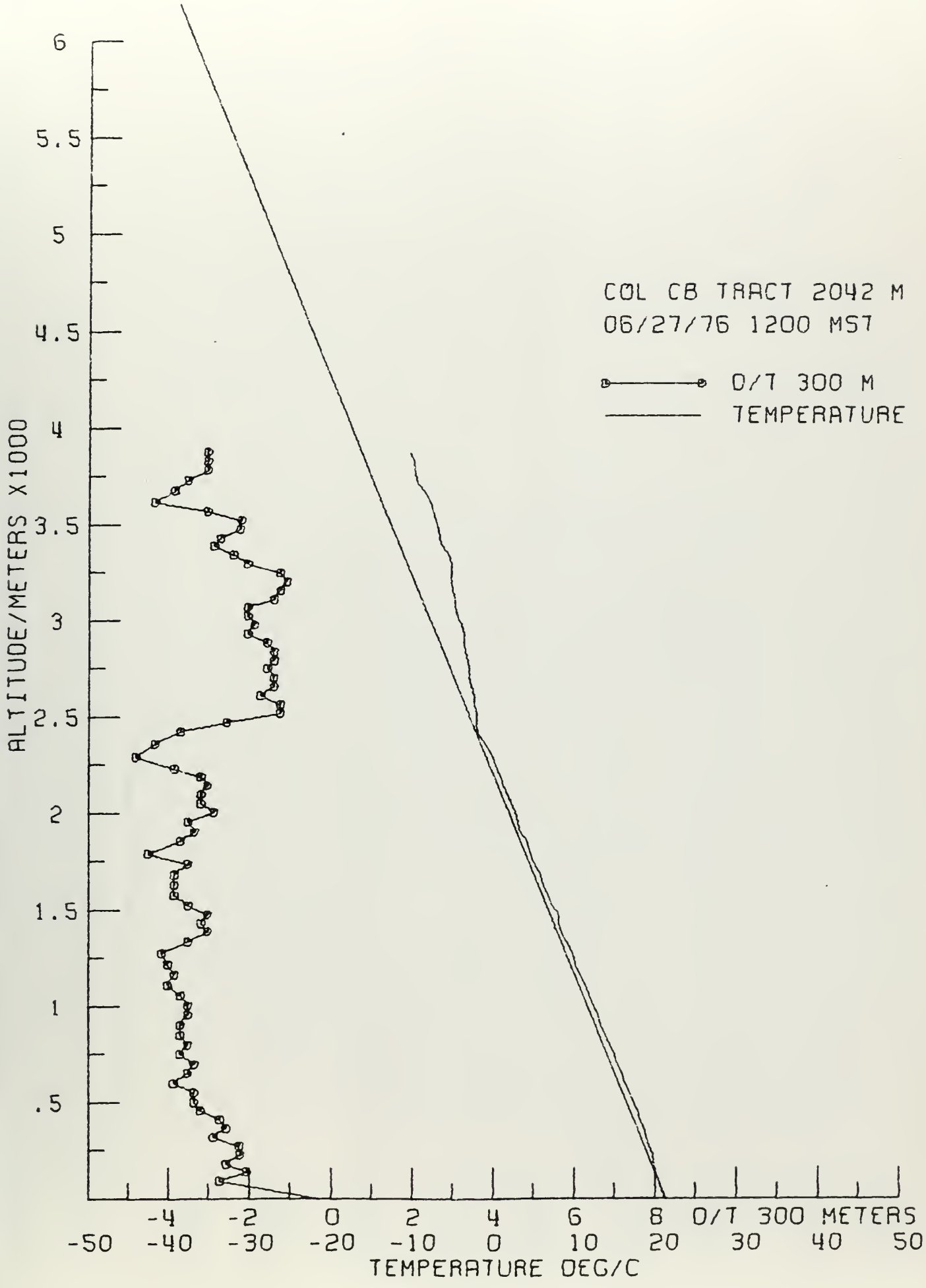

COL CB TRACT 2042 M
06/25/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

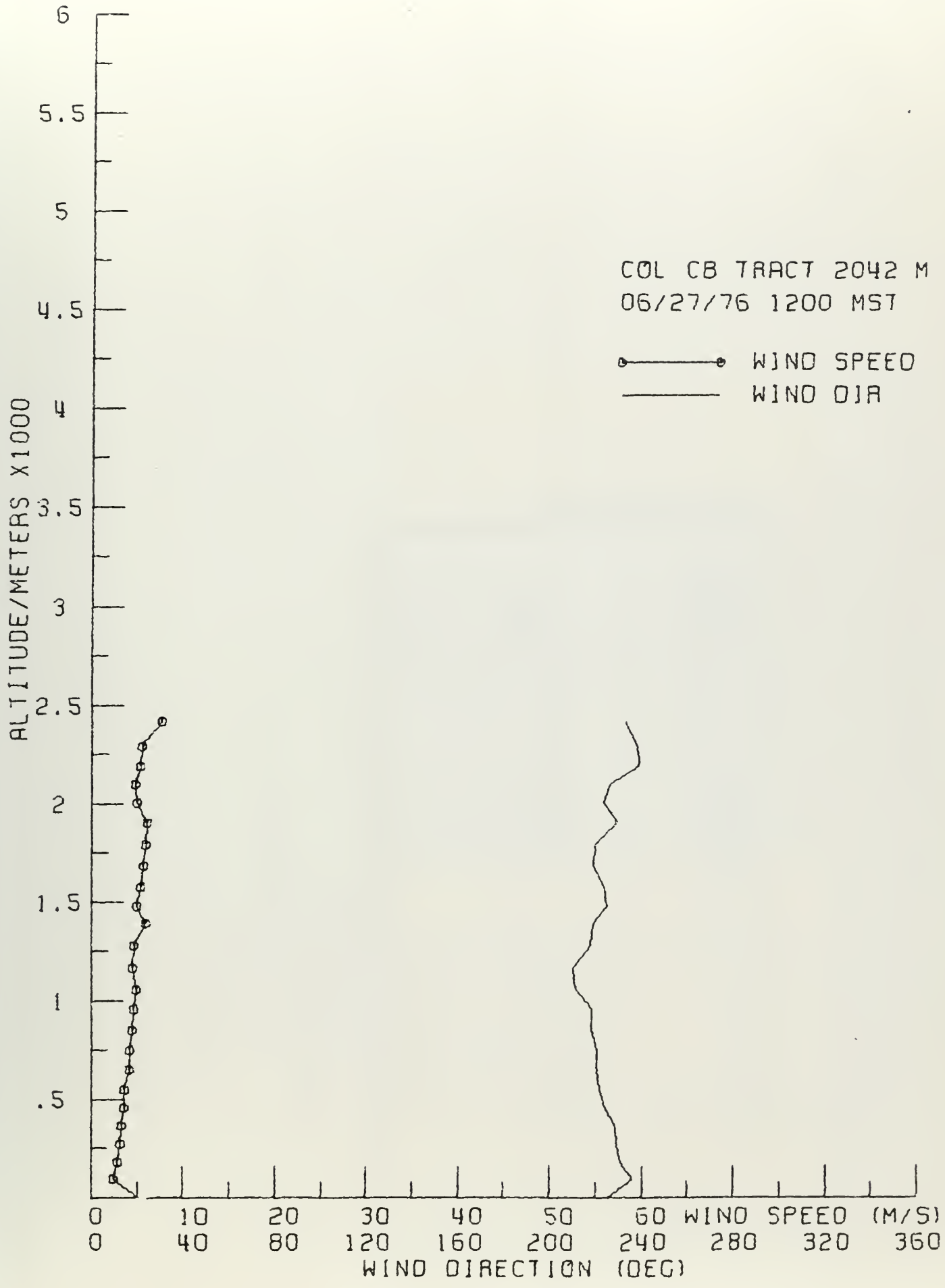

COL CB TRACT 2042 M
06/25/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

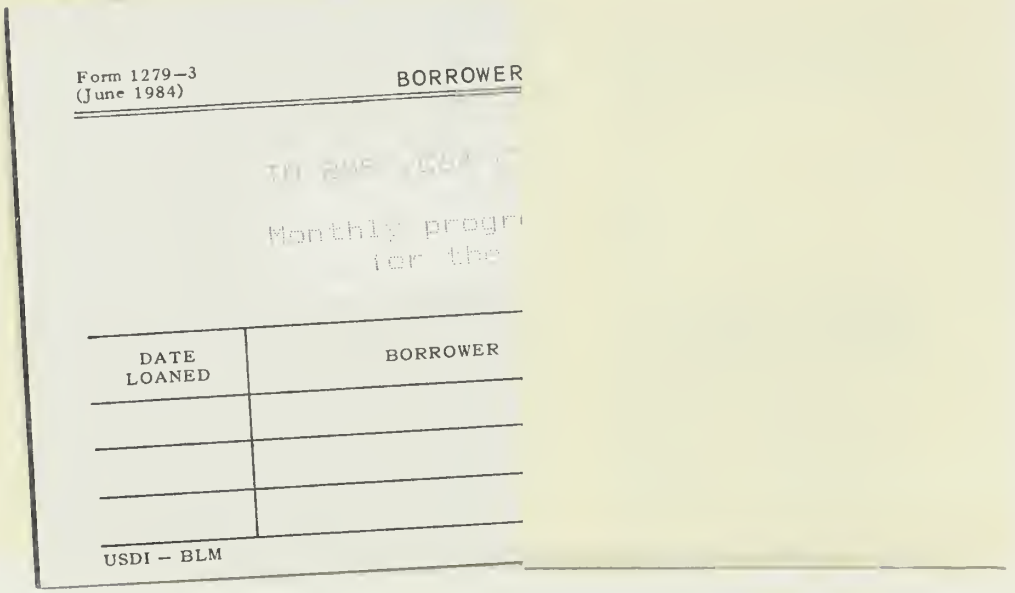

COL CB TRACT 2042 M
06/25/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
06/27/76 0600 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
06/27/76 0600 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
06/27/76 1200 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
06/27/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)



Form 1279–3
(June 1984)

BORROWER

Monthly progr
for the

DATE LOANED	BORROWER

USDI – BLM